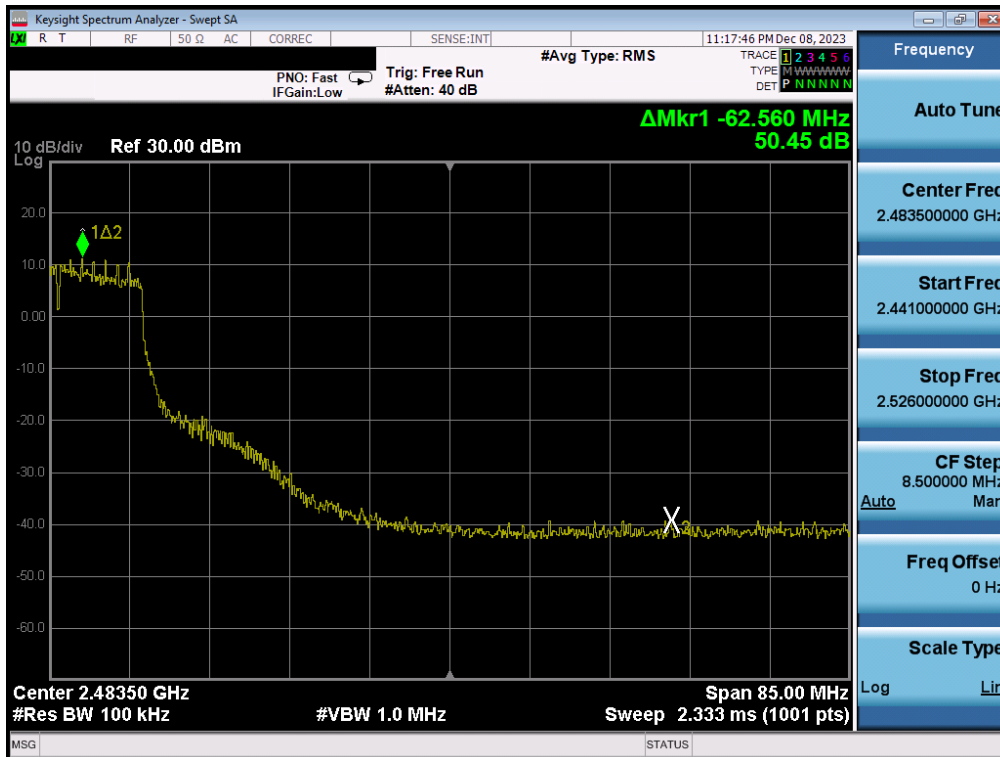


Plot 7-359. Band Edge Plot Antenna WF2b (802.11n (2.4GHz) – Ch. 6 (high)) – MCS4



Plot 7-360. Band Edge Plot Antenna WF2b (802.11n (2.4GHz) – Ch. 7) – MCS4

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 224 of 426

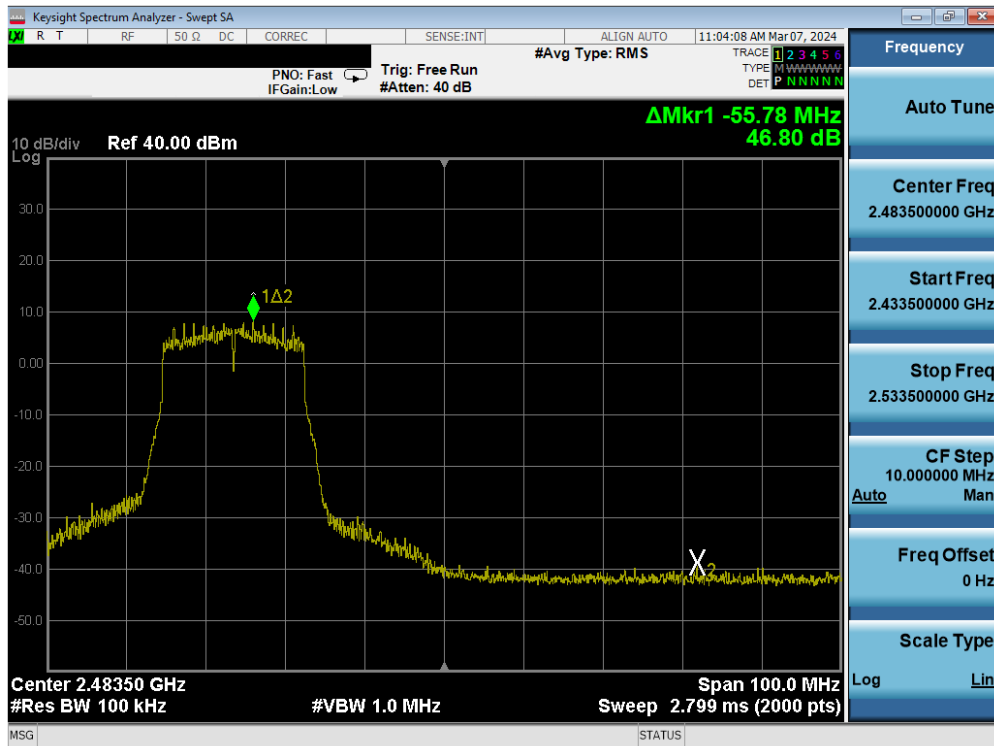


Plot 7-361. Band Edge Plot Antenna WF2b (802.11n (2.4GHz) – Ch. 8) – MCS4

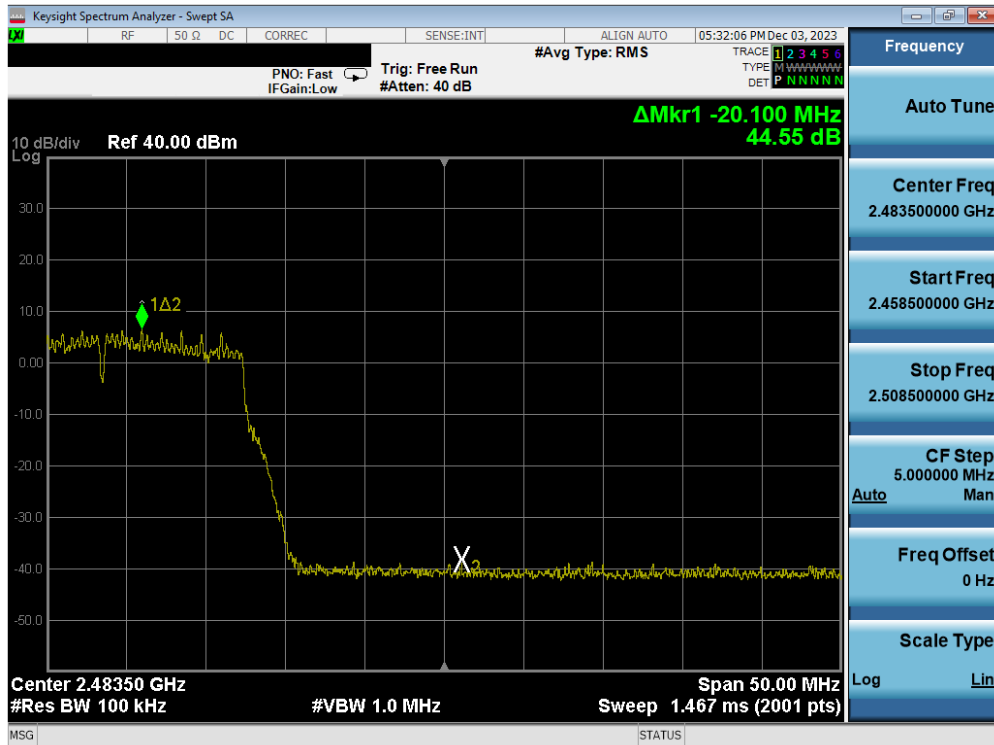


Plot 7-362. Band Edge Plot Antenna WF2b (802.11n (2.4GHz) – Ch. 9) – MCS4

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 225 of 426

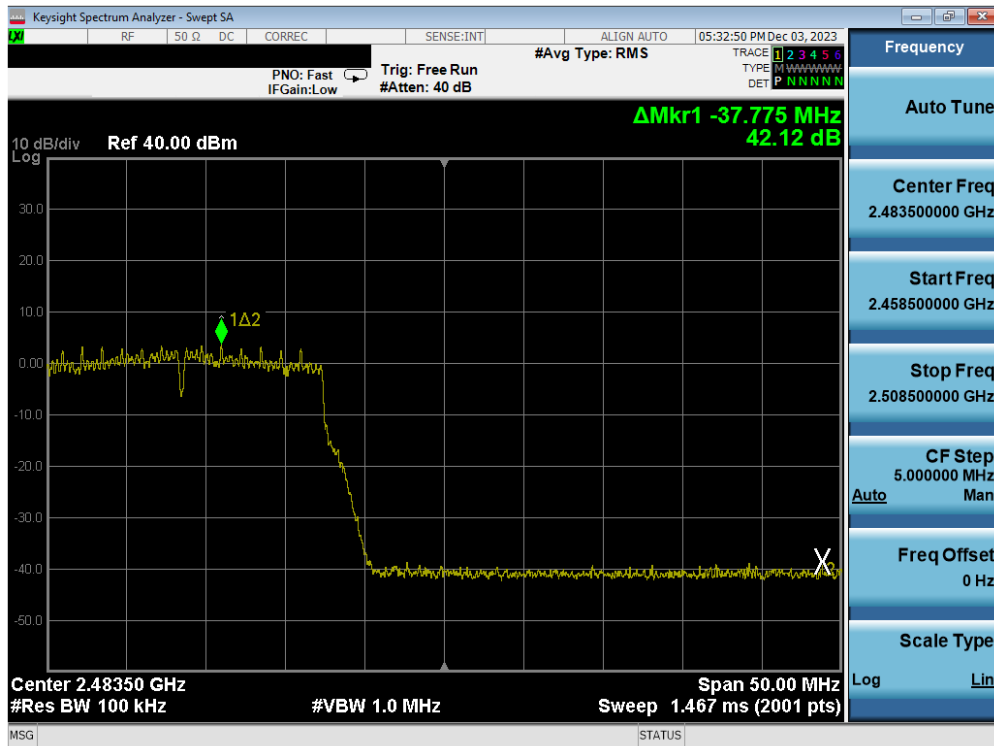


Plot 7-363. Band Edge Plot Antenna WF2b (802.11n (2.4GHz) – Ch. 10) – MCS4

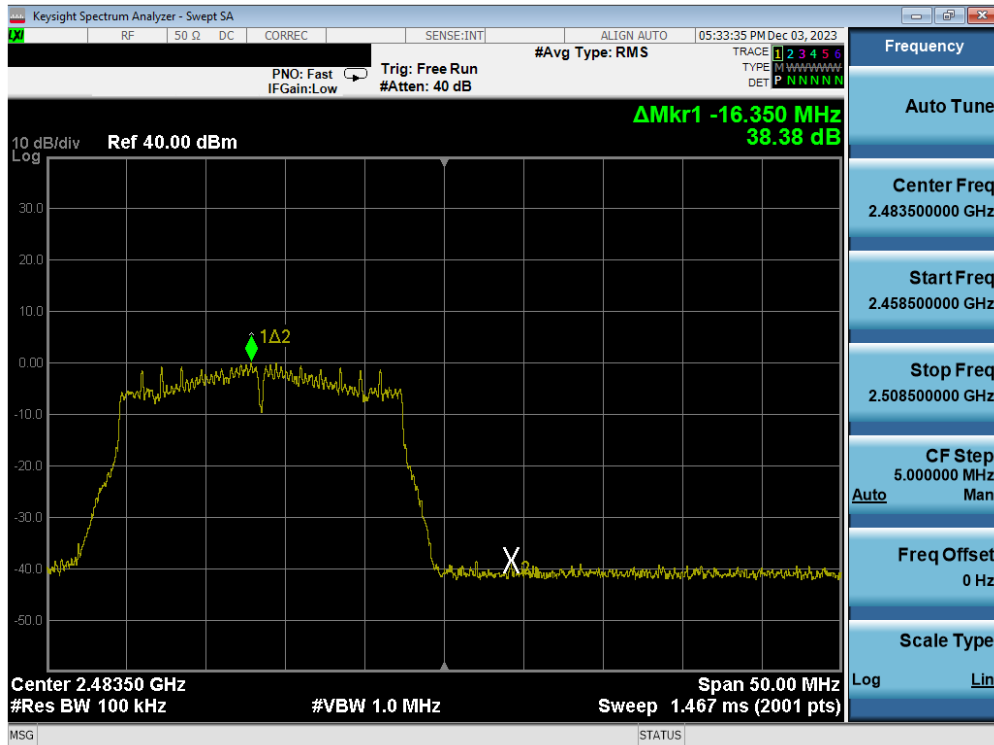


Plot 7-364. Band Edge Plot Antenna WF2b (802.11n (2.4GHz) – Ch. 11) – MCS4


FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 226 of 426

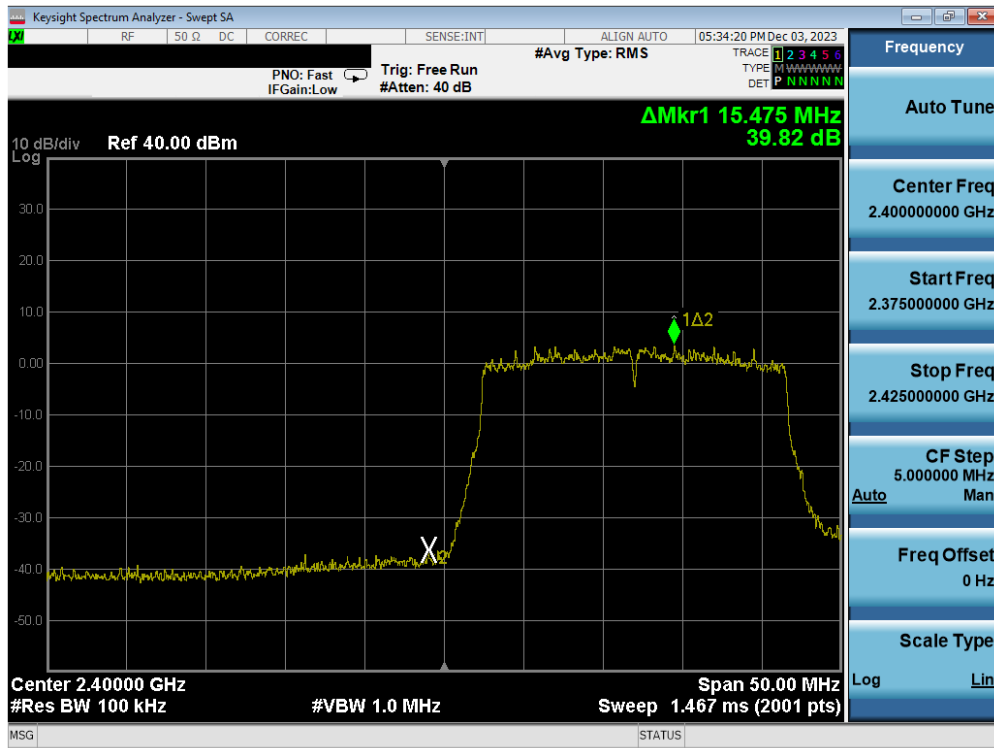


Plot 7-365. Band Edge Plot Antenna WF2b (802.11n (2.4GHz) – Ch. 12) – MCS4

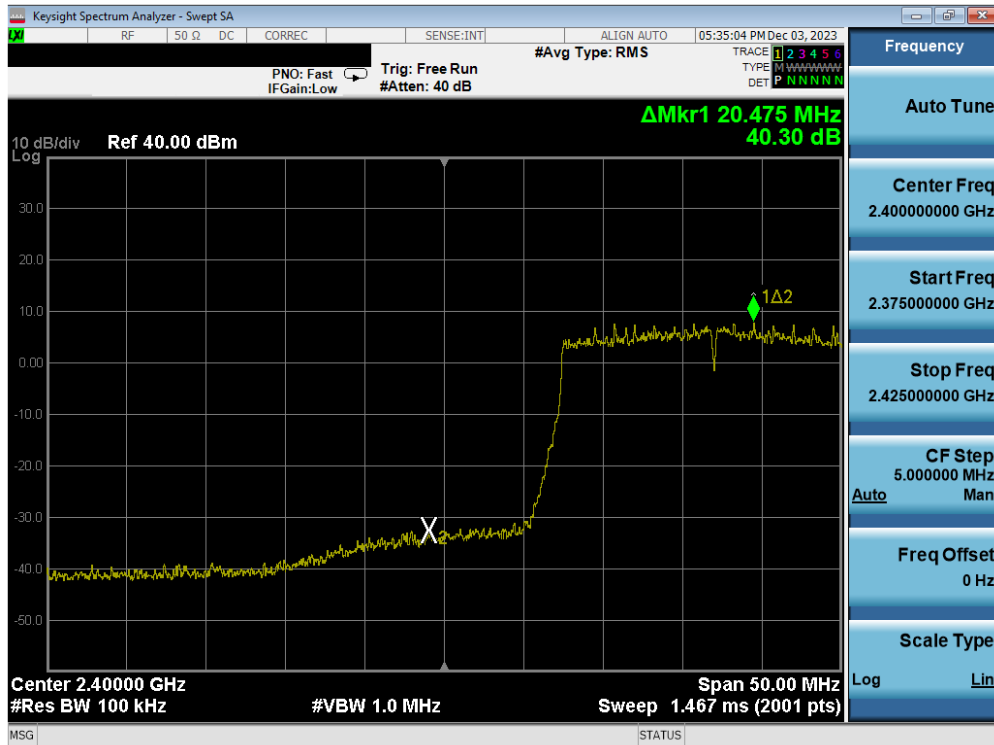


Plot 7-366. Band Edge Plot Antenna WF2b (802.11n (2.4GHz) – Ch. 13) – MCS4


FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 227 of 426

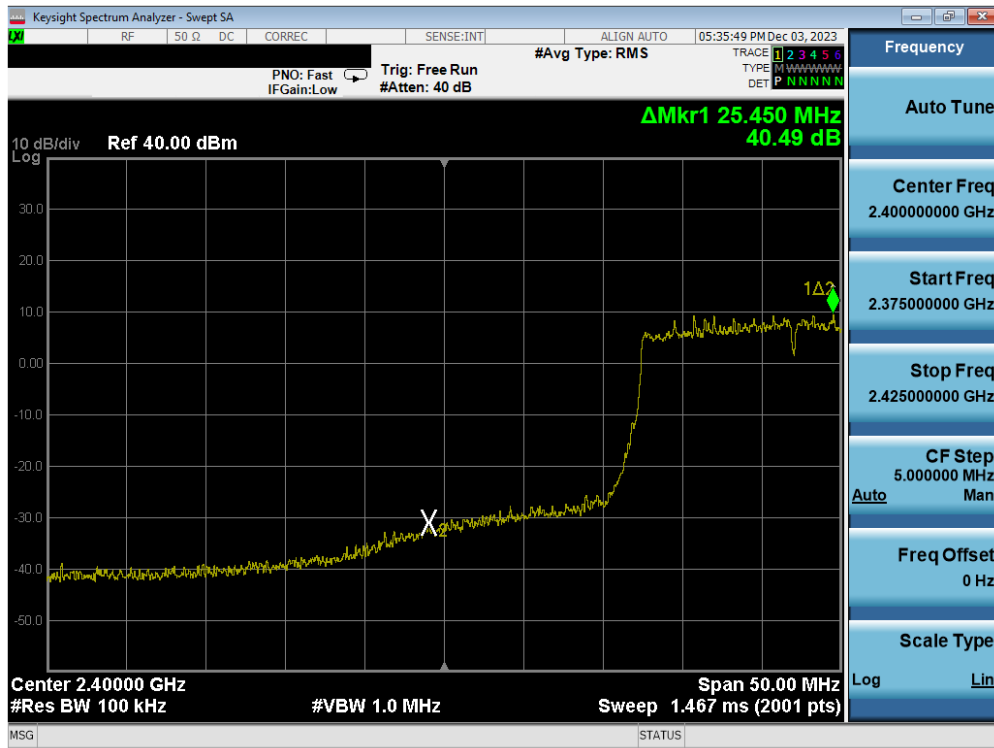


Plot 7-367. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) – Ch. 1) – MCS4

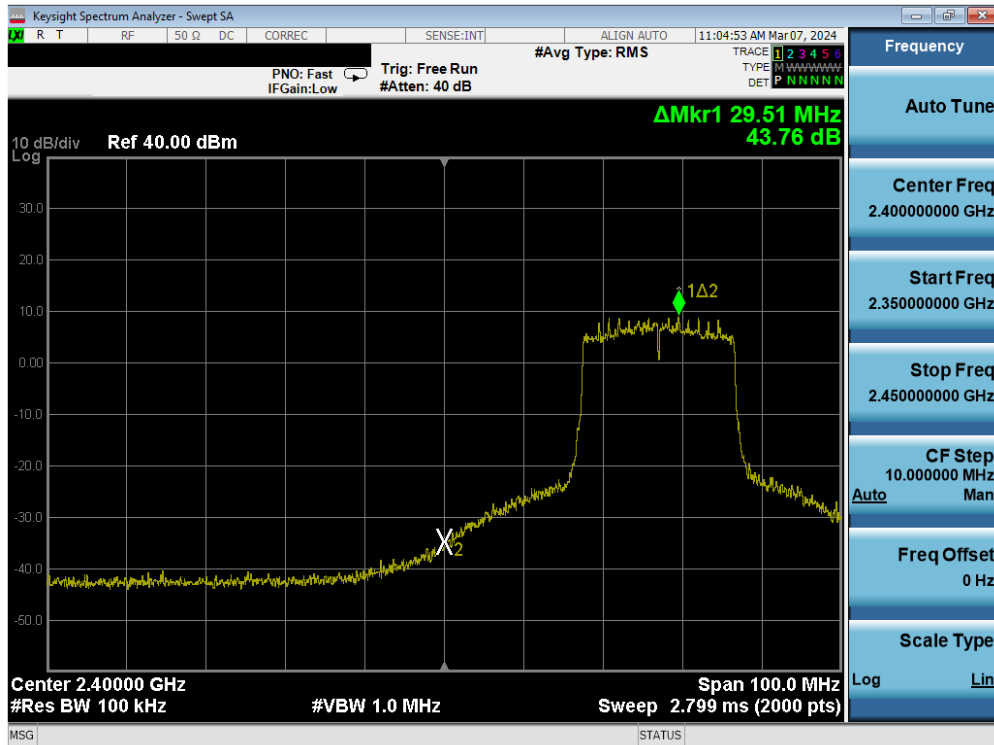


Plot 7-368. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) – Ch. 2) – MCS4


FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 228 of 426

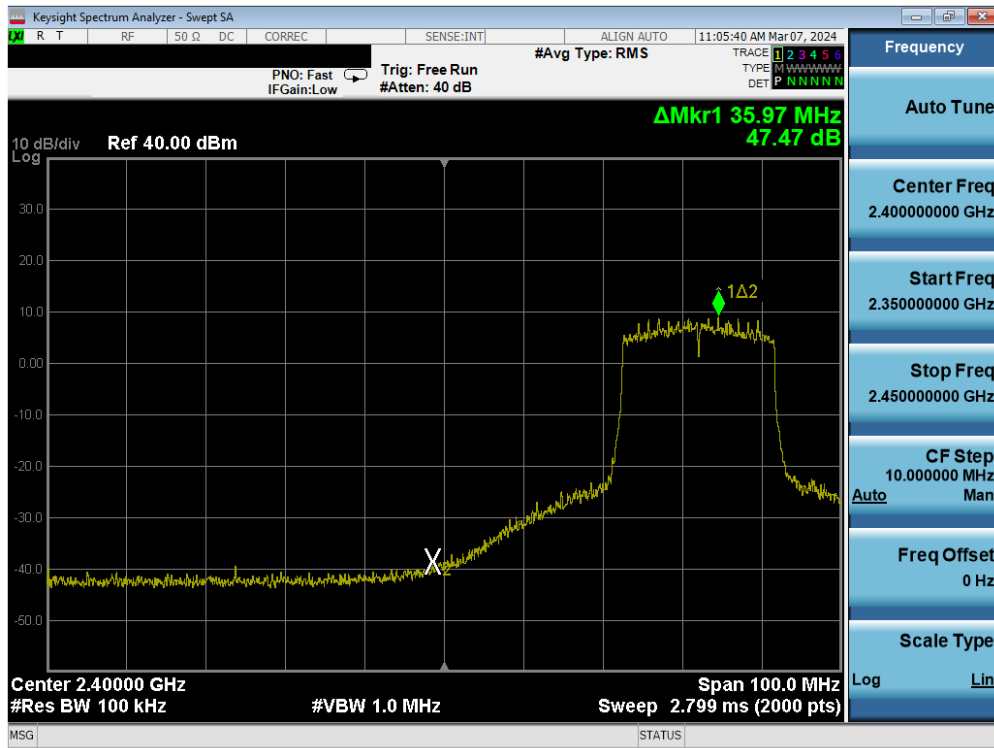


Plot 7-369. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) – Ch. 3) – MCS4

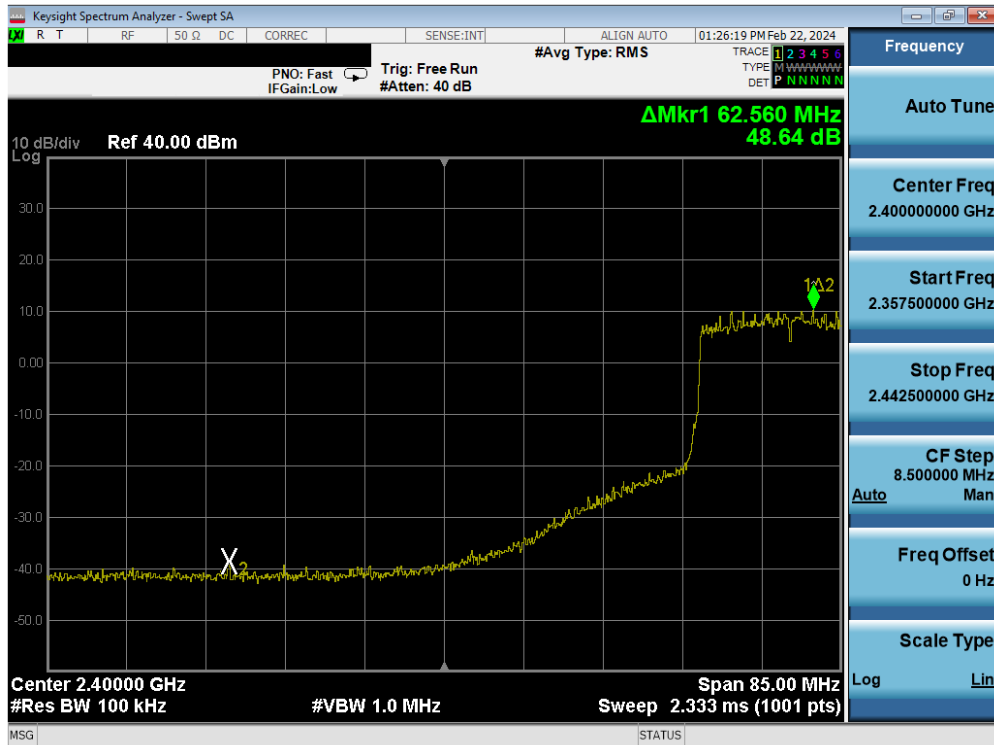


Plot 7-370. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) – Ch. 4) – MCS4


FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 229 of 426

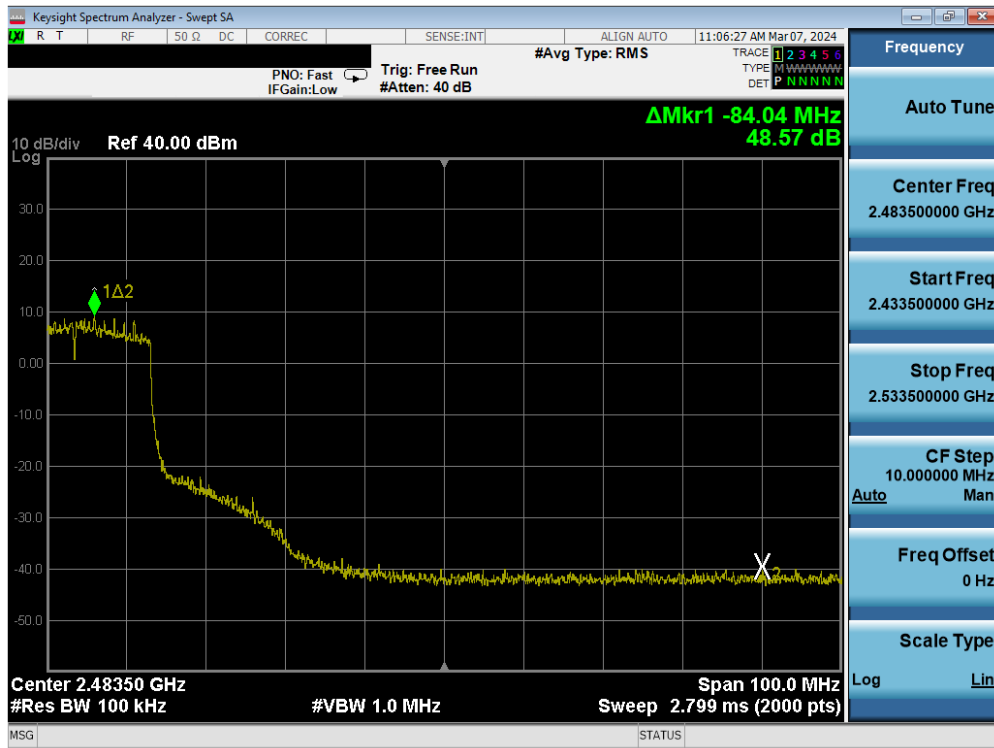


Plot 7-371. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) – Ch. 5) – MCS4

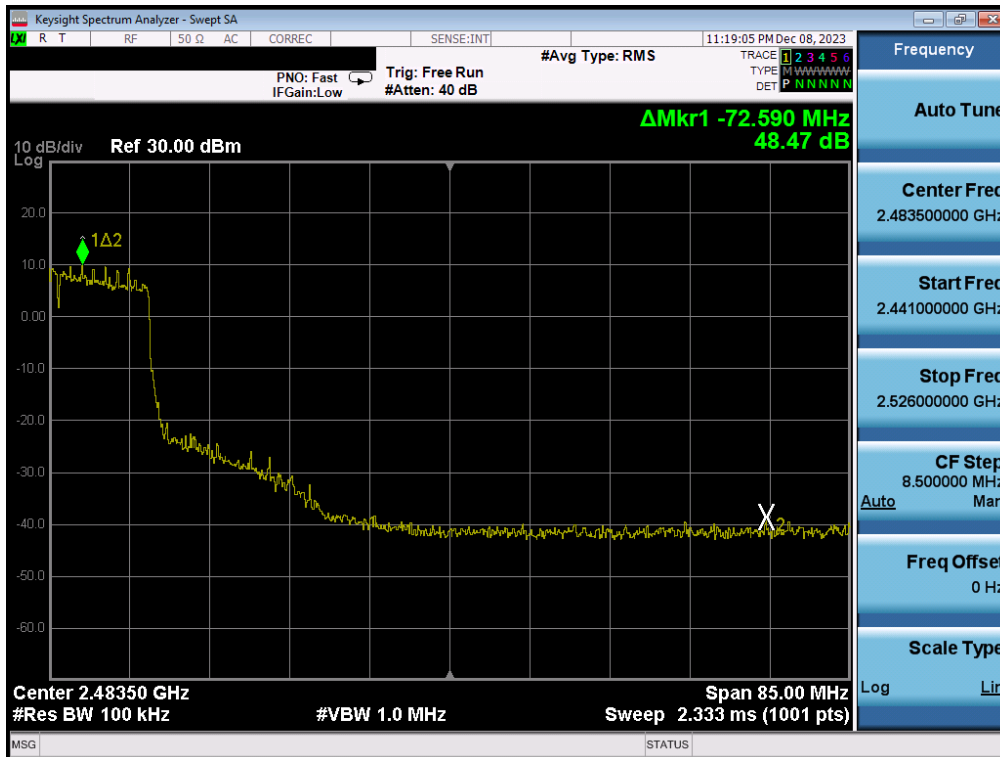


Plot 7-372. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) – Ch. 6 (low)) – MCS4

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 230 of 426



Plot 7-373. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) – Ch. 6 (high)) – MCS4



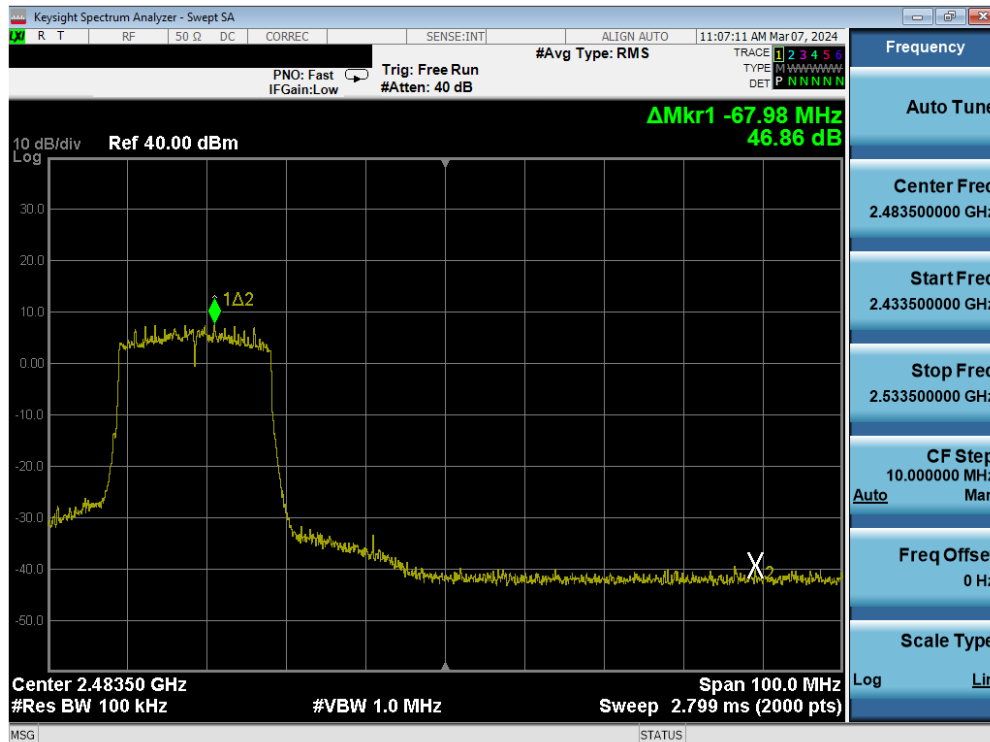
Plot 7-374. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) – Ch. 7) – MCS4

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 231 of 426



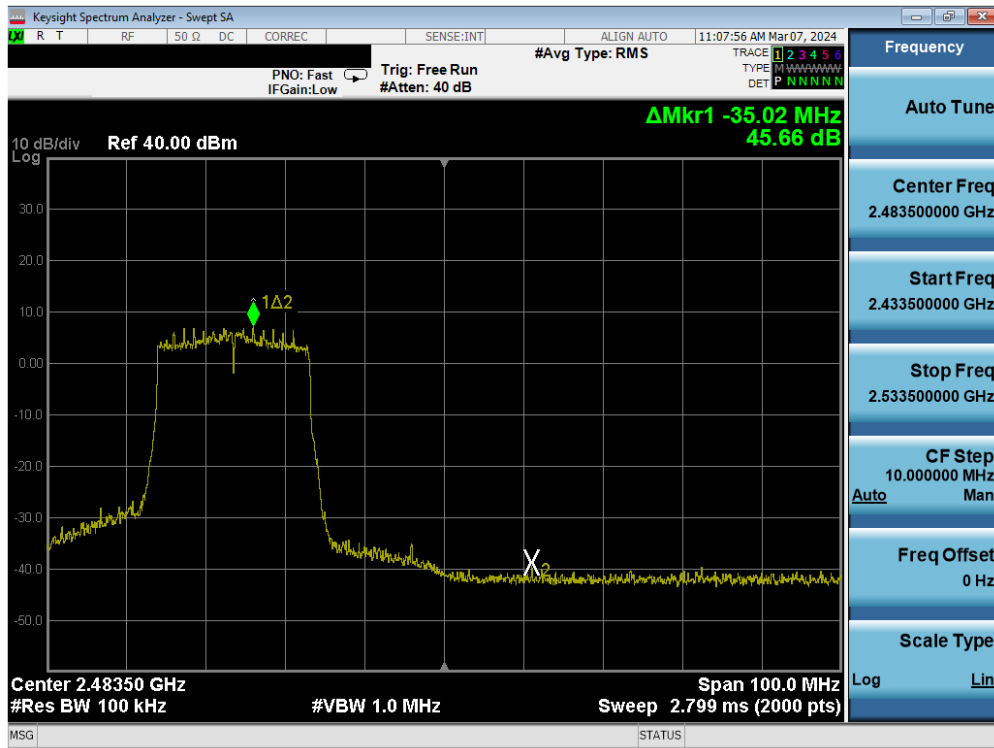


Plot 7-375. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) – Ch. 8) – MCS4

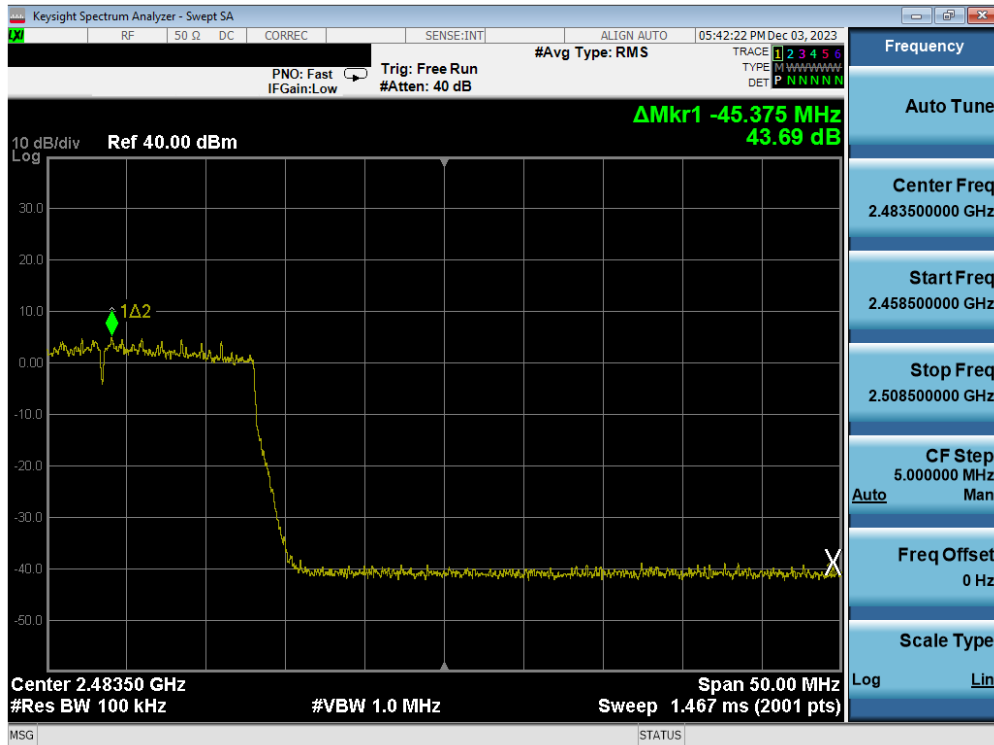


Plot 7-376. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) – Ch. 9) – MCS4

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 232 of 426

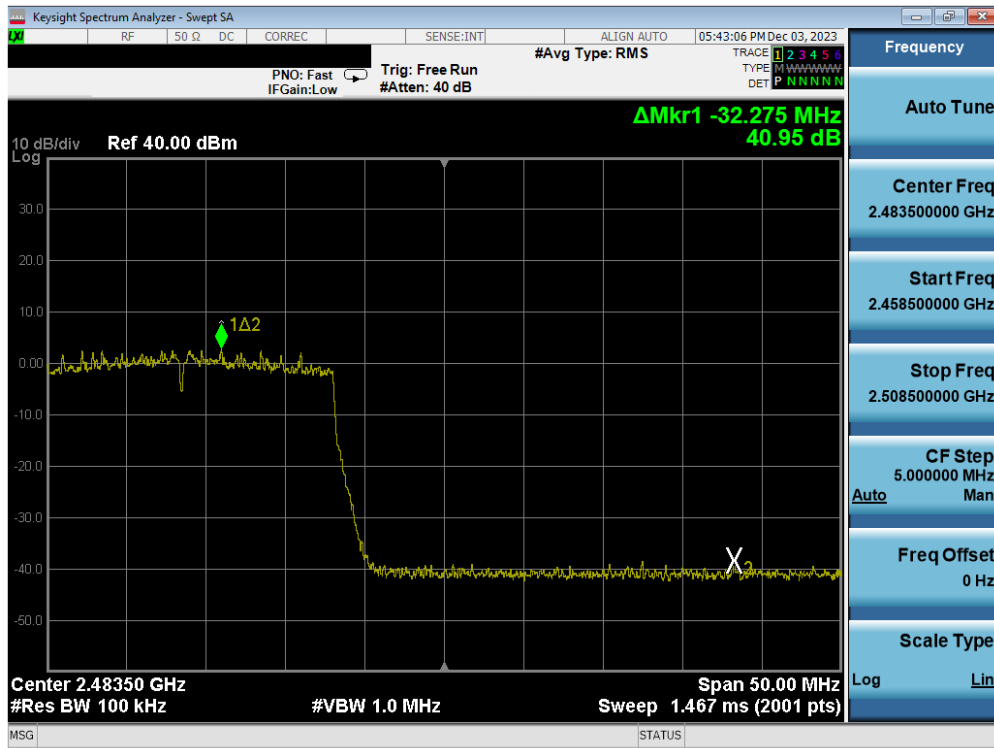


Plot 7-377. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) – Ch. 10) – MCS4



Plot 7-378. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) – Ch. 11) – MCS4

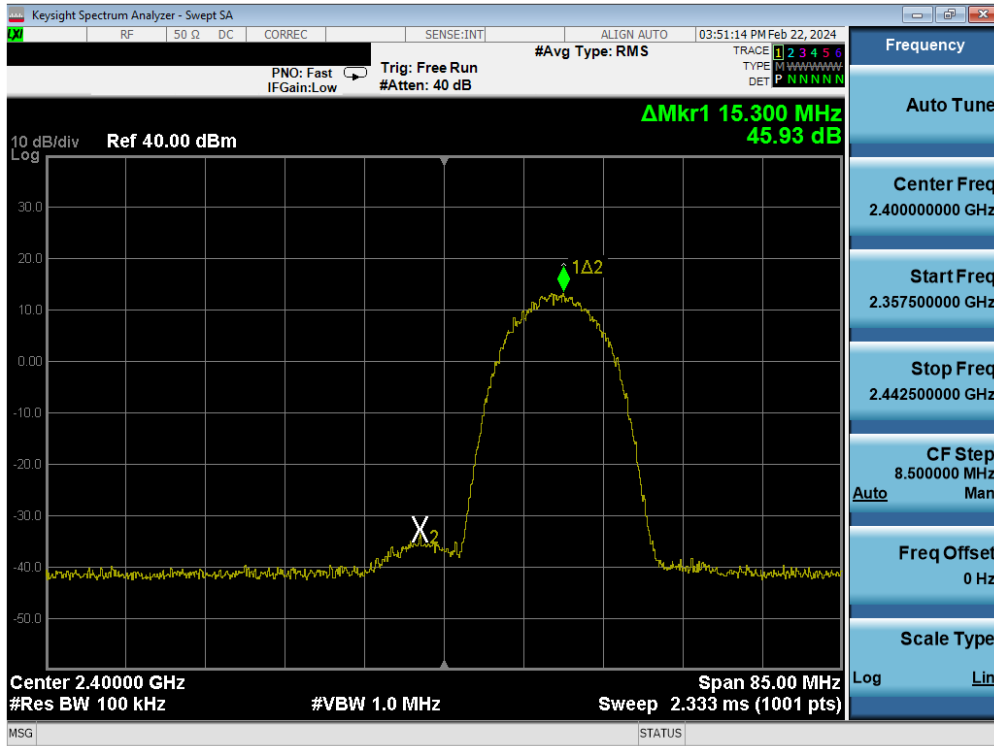
FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 233 of 426



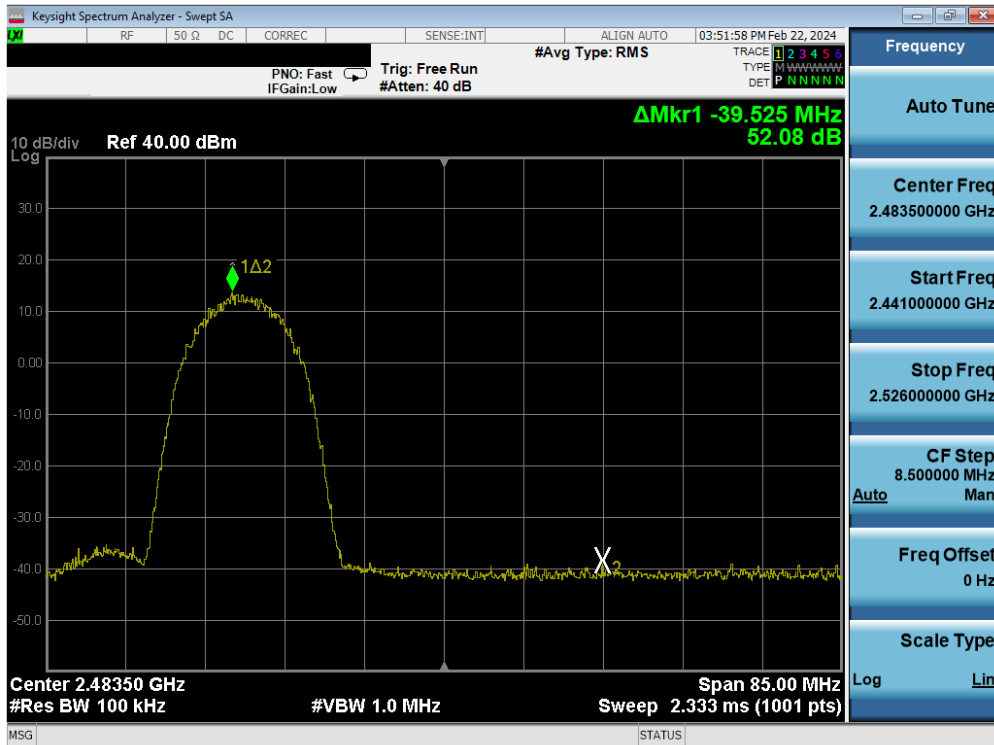
Plot 7-379. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) – Ch. 12) – MCS4

<b>FCC ID:</b> BCGA2898 <b>IC:</b> 579C-A2898	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270065-03.BCG		<b>Test Dates:</b> 12/1/2023 - 2/20/2024

### High Rate

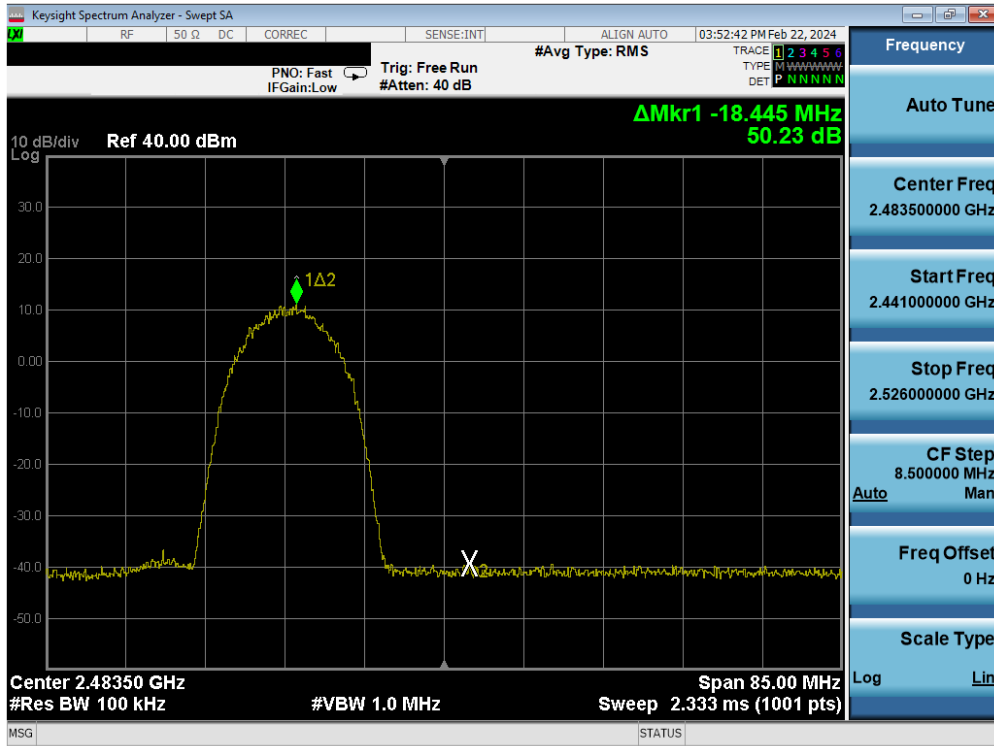


**Plot 7-380. Band Edge Plot Antenna WF2b (802.11b – Ch. 1) – 11Mbps**

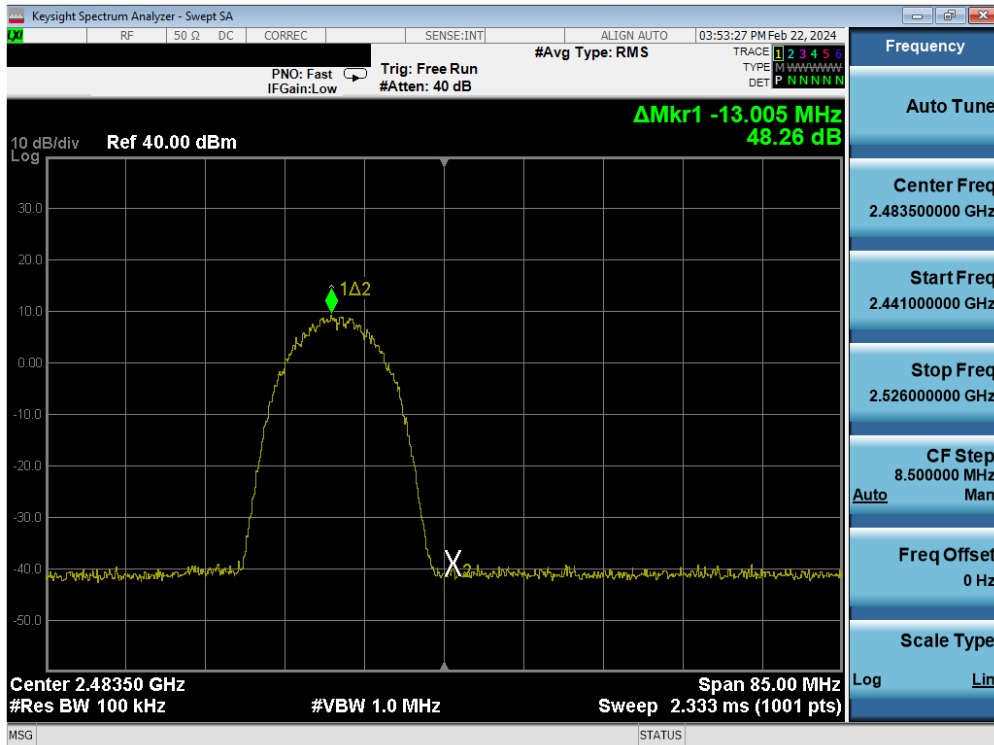


**Plot 7-381. Band Edge Plot Antenna WF2b (802.11b – Ch. 11) – 11Mbps**

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 235 of 426

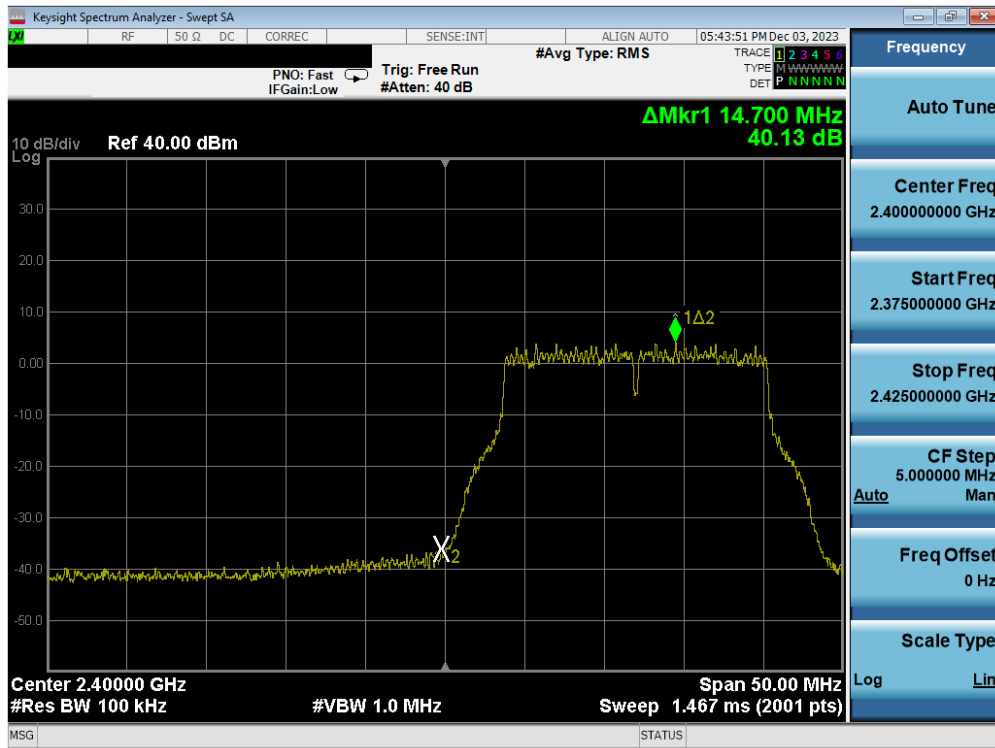


Plot 7-382. Band Edge Plot Antenna WF2b (802.11b – Ch. 12) – 11Mbps

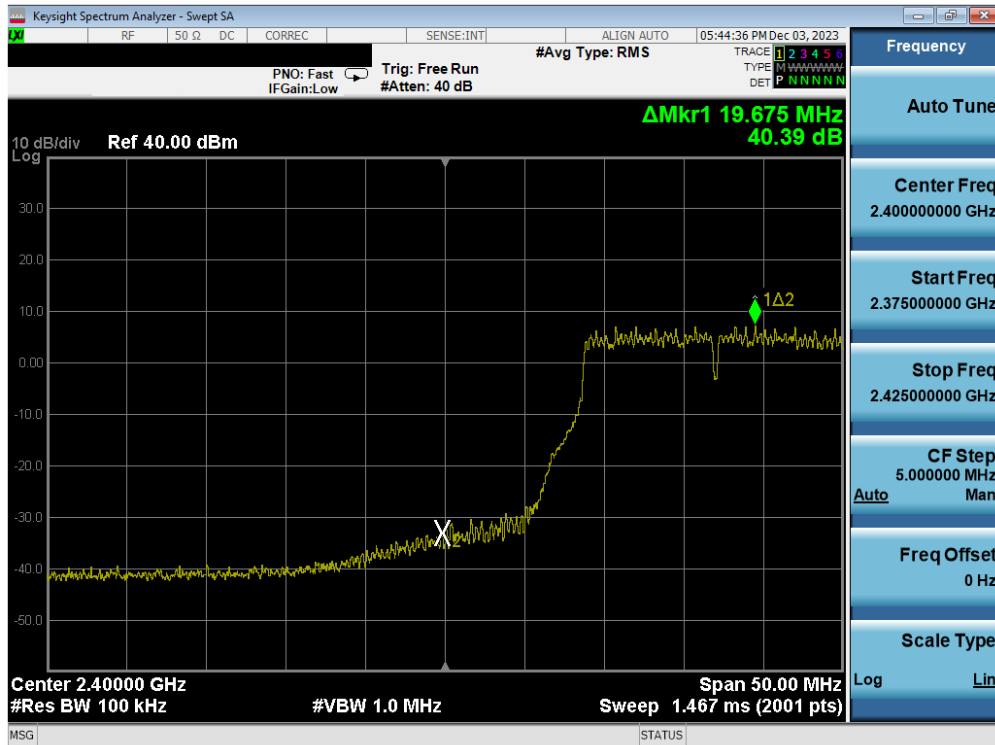


Plot 7-383. Band Edge Plot Antenna WF2b (802.11b – Ch. 13) – 11Mbps

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 236 of 426

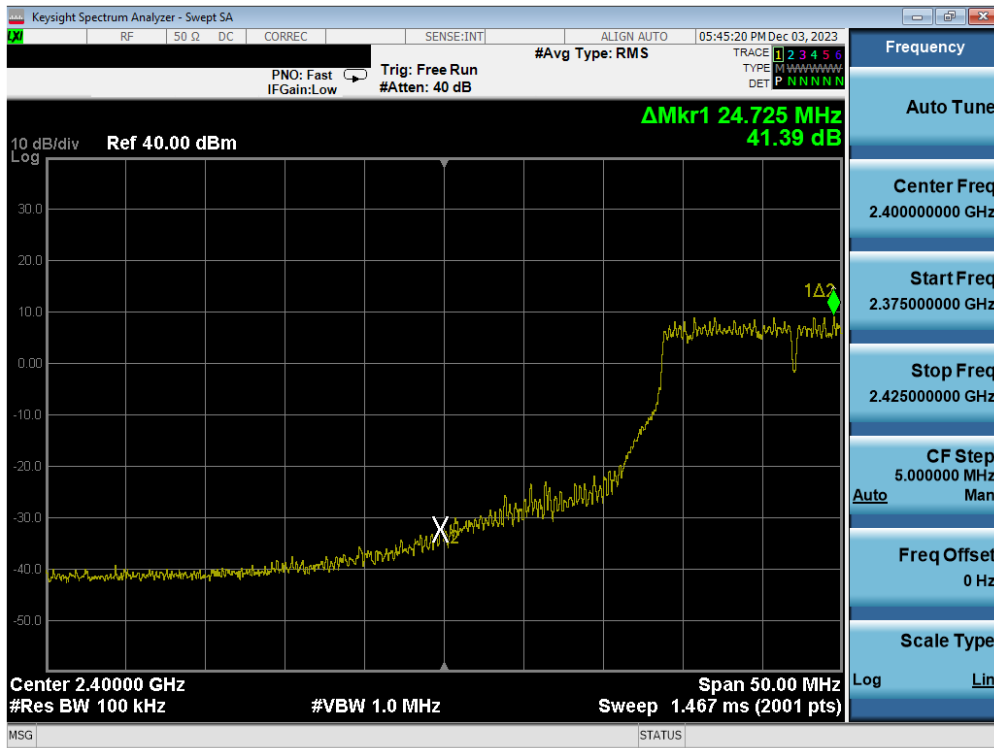


Plot 7-384. Band Edge Plot Antenna WF2b (802.11g – Ch. 1) – 54Mbps

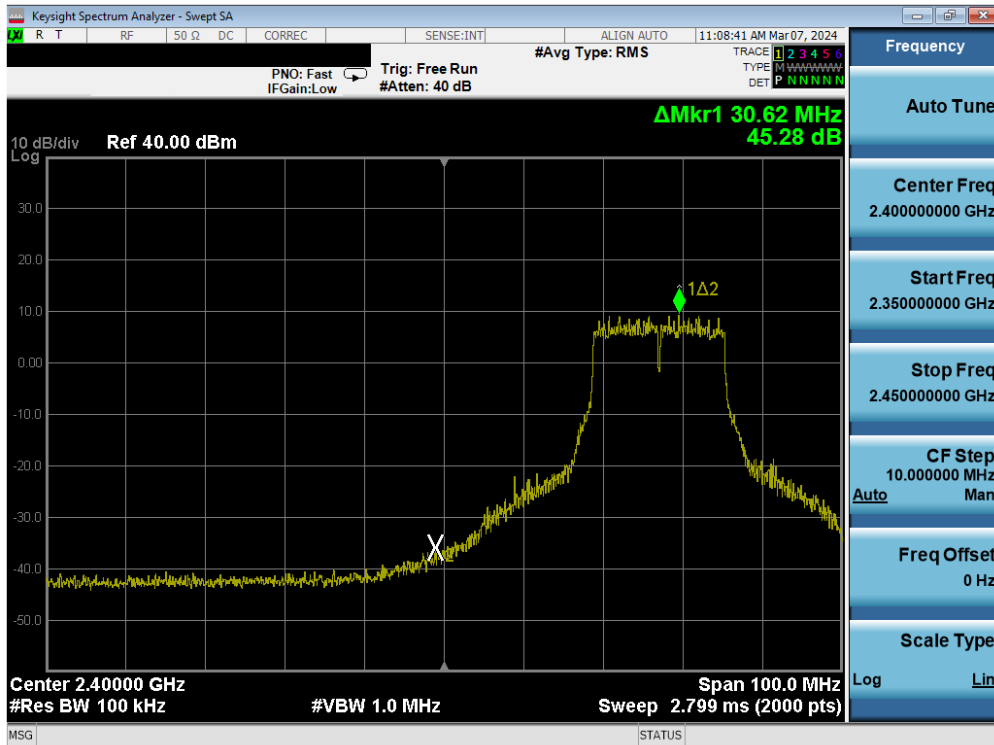


Plot 7-385. Band Edge Plot Antenna WF2b (802.11g – Ch. 2) – 54Mbps

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 237 of 426

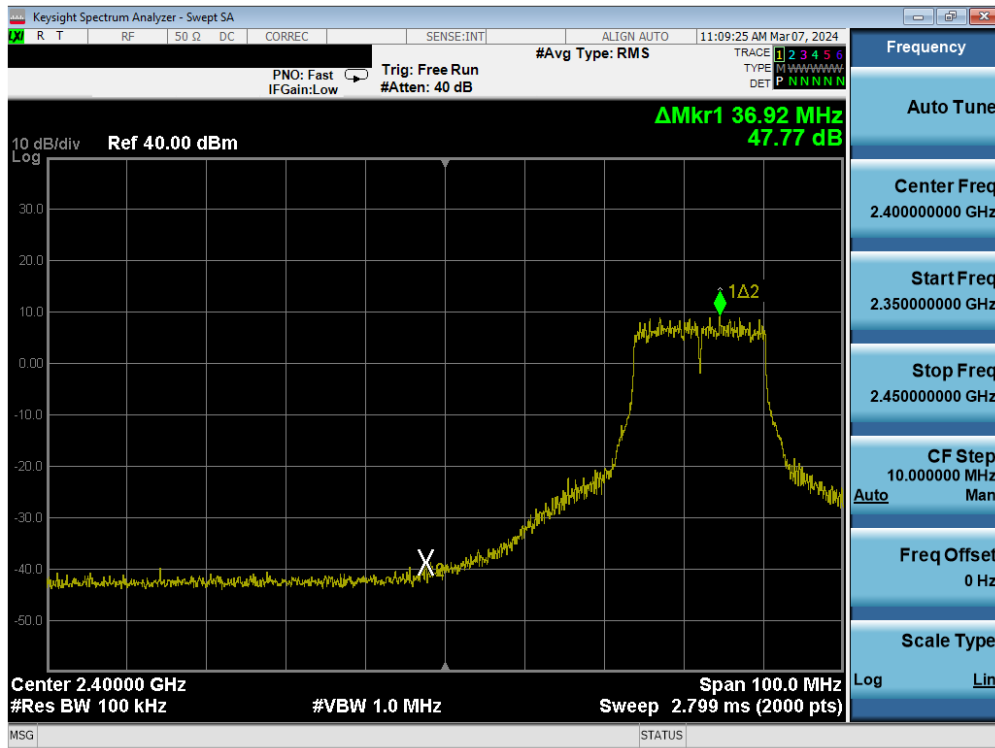


Plot 7-386. Band Edge Plot Antenna WF2b (802.11g – Ch. 3) – 54Mbps

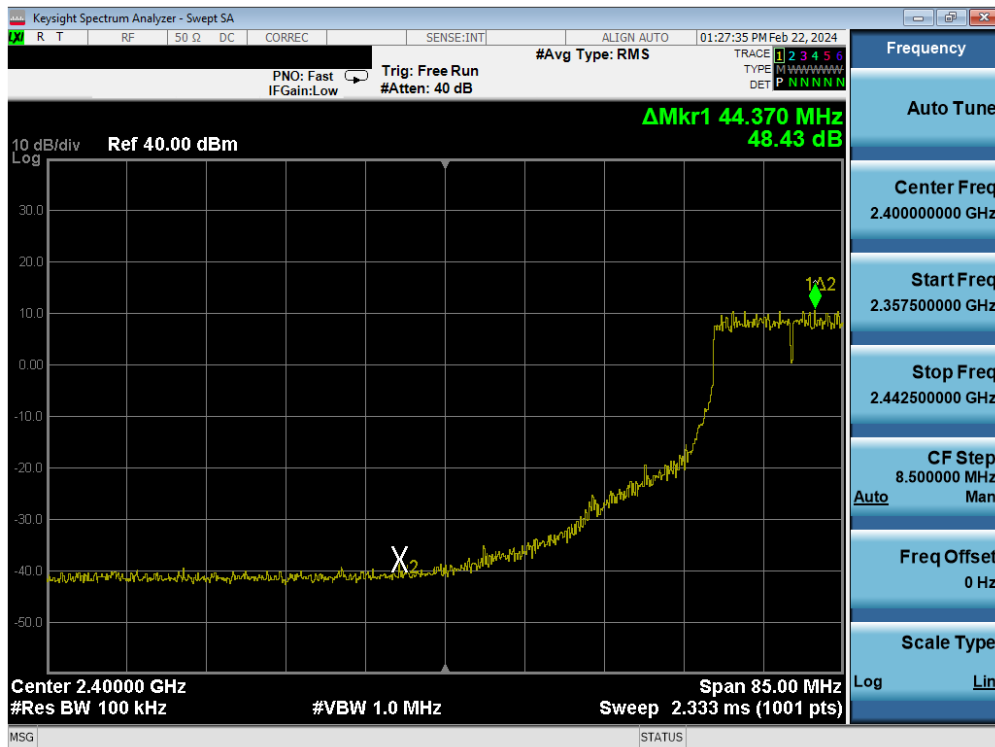


Plot 7-387. Band Edge Plot Antenna WF2b (802.11g – Ch. 4) – 54Mbps

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 238 of 426



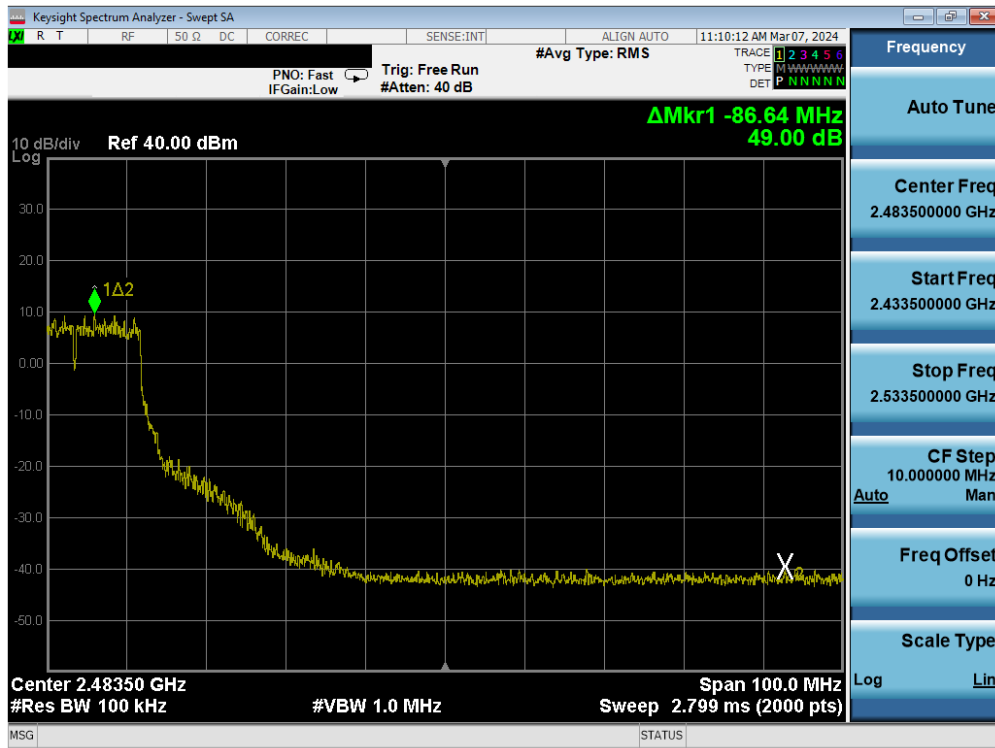
Plot 7-388. Band Edge Plot Antenna WF2b (802.11g – Ch. 5) – 54Mbps



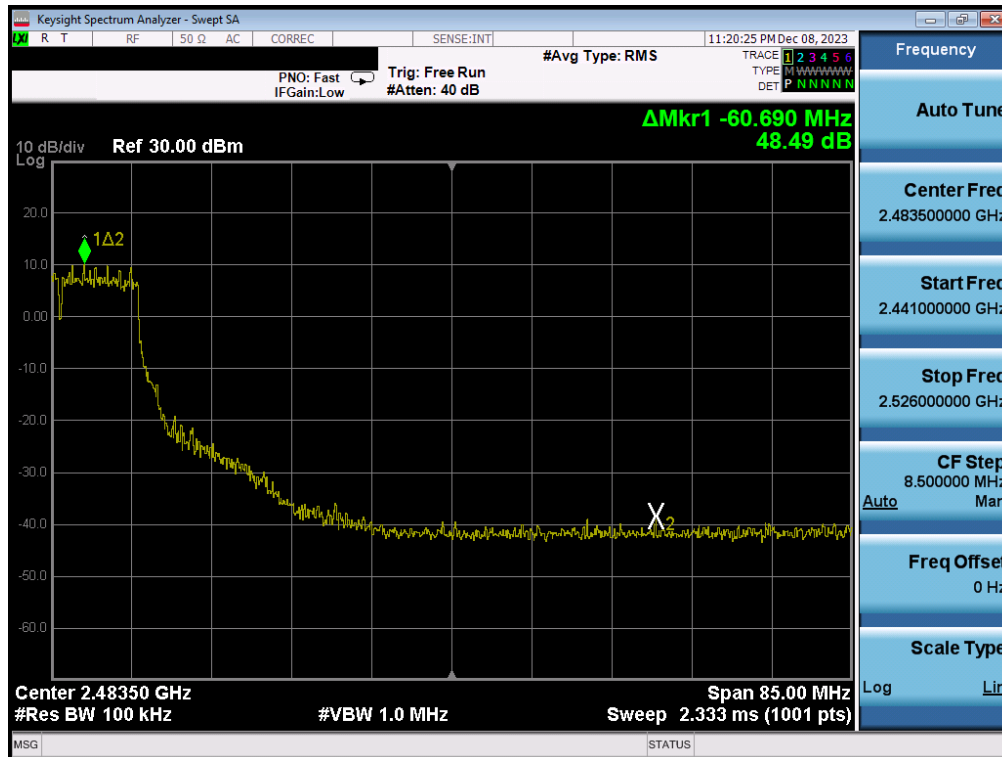
Plot 7-389. Band Edge Plot Antenna WF2b (802.11g – Ch. 6 (low)) – 54Mbps

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 239 of 426



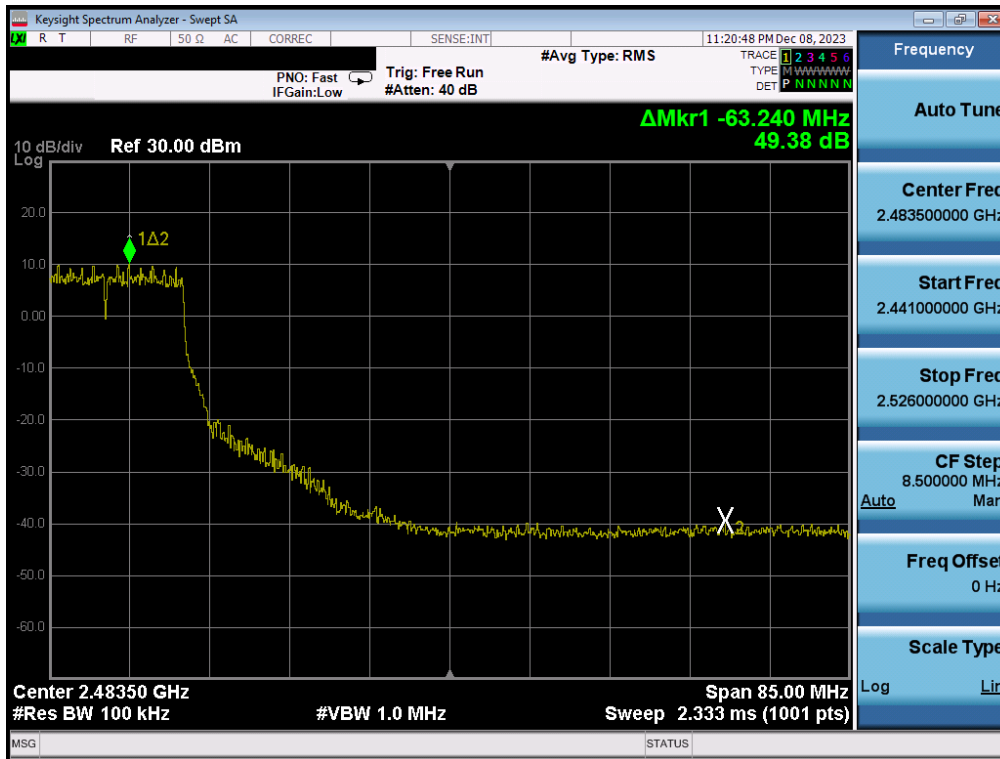


Plot 7-390. Band Edge Plot Antenna WF2b (802.11g – Ch. 6 (high)) – 54Mbps

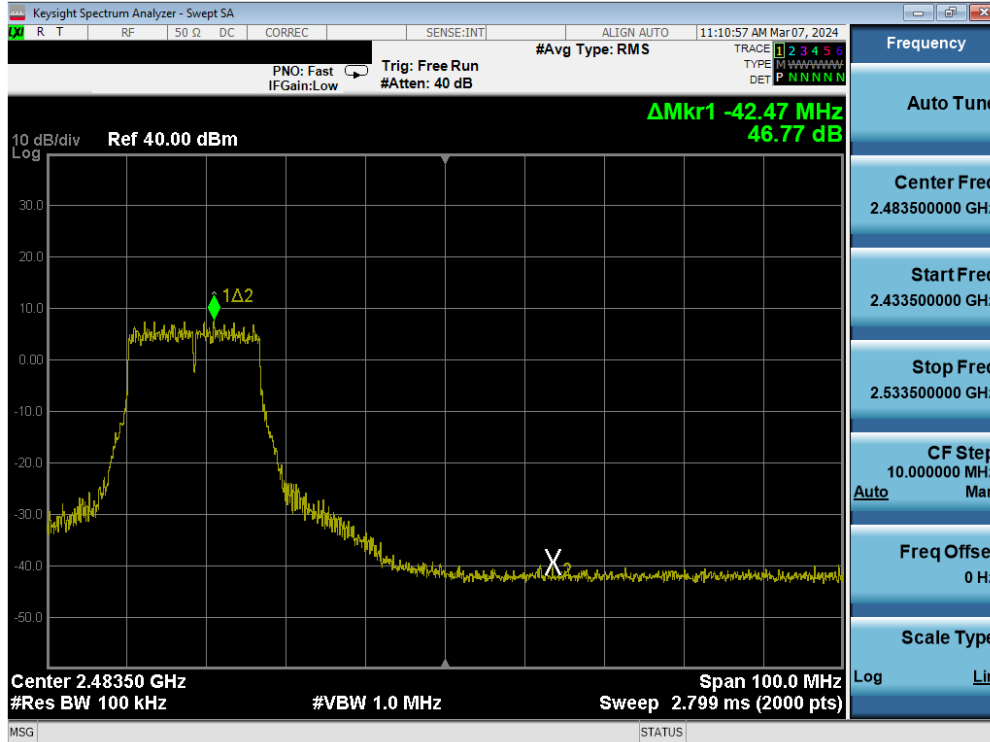


Plot 7-391. Band Edge Plot Antenna WF2b (802.11g – Ch. 7) – 54Mbps

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 240 of 426

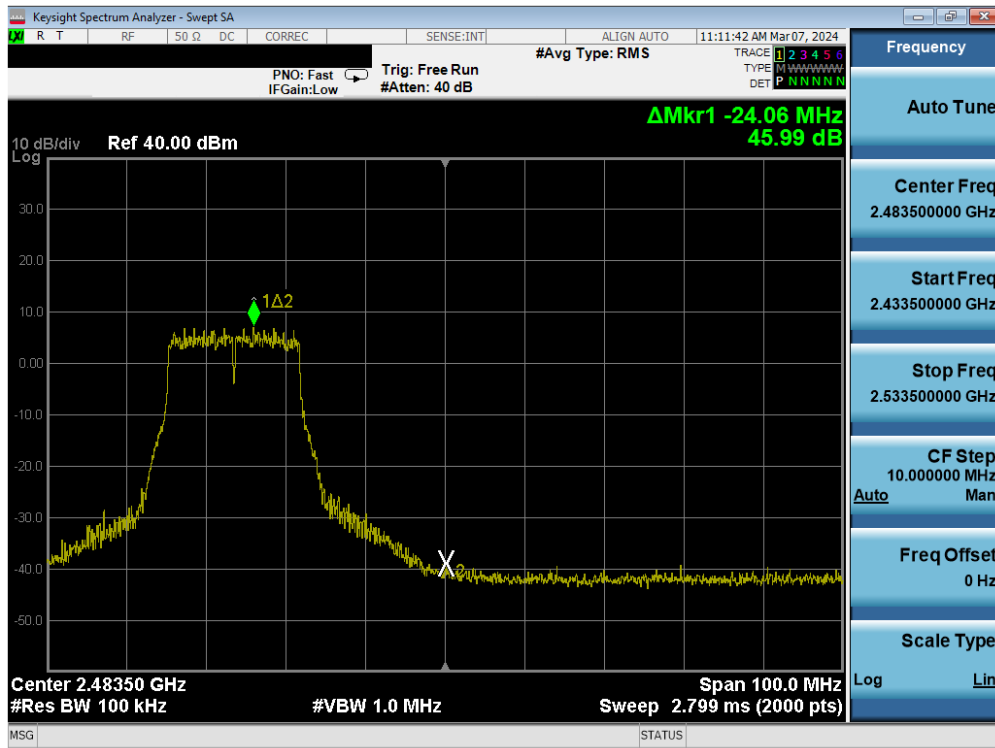


Plot 7-392. Band Edge Plot Antenna WF2b (802.11g – Ch. 8) – 54Mbps

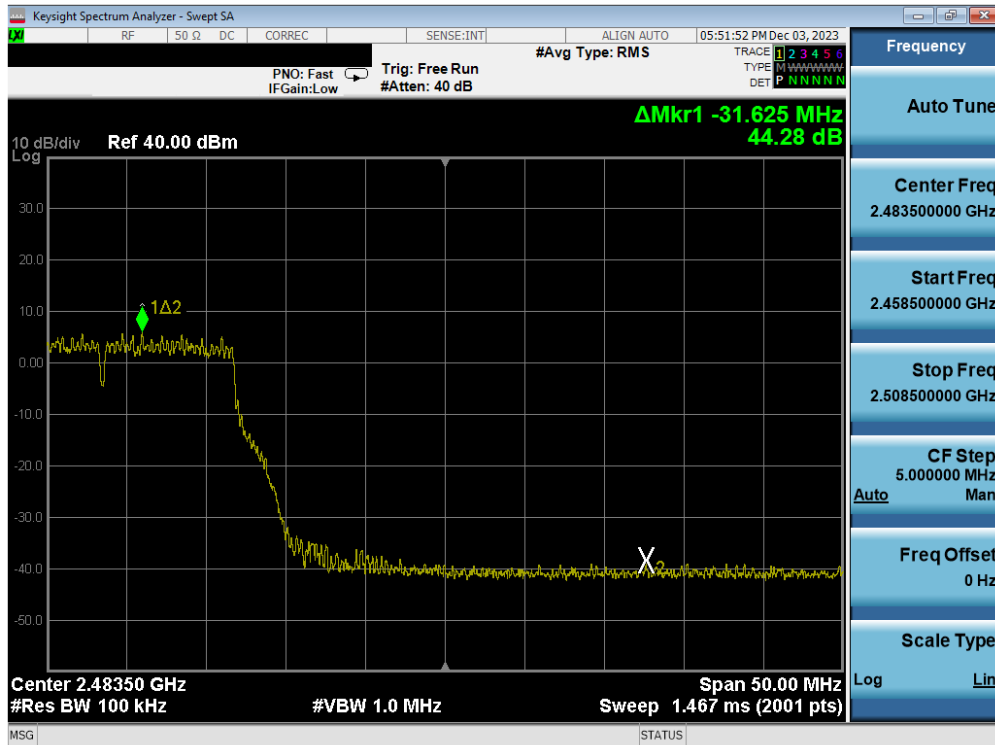


Plot 7-393. Band Edge Plot Antenna WF2b (802.11g – Ch. 9) – 54Mbps

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 241 of 426

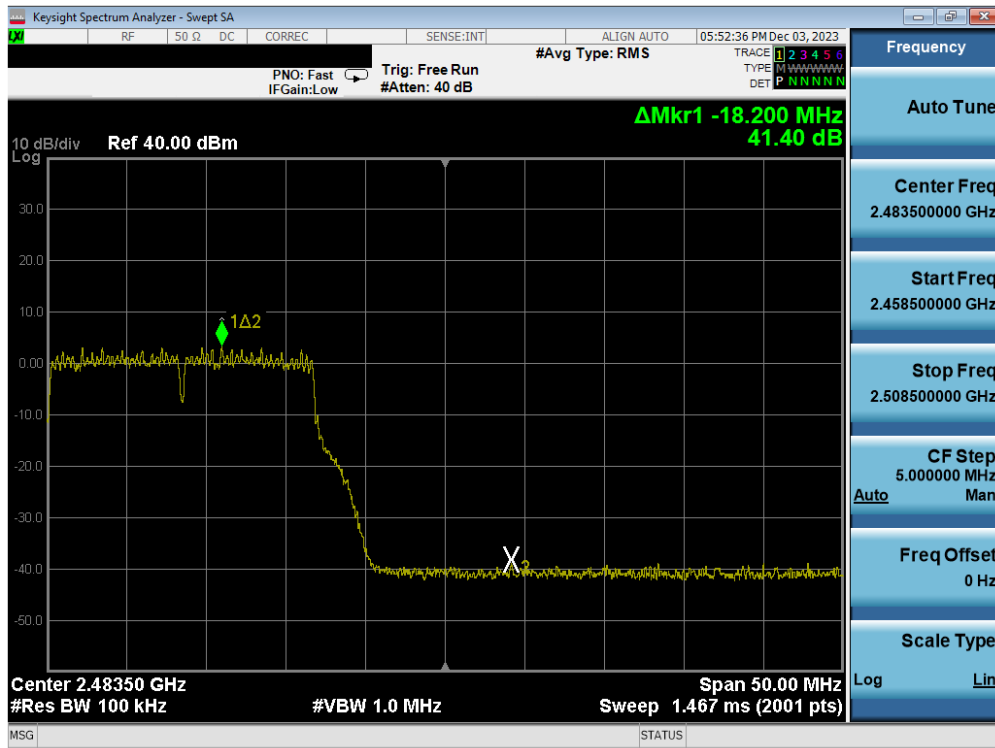


Plot 7-394. Band Edge Plot Antenna WF2b (802.11g – Ch. 10) – 54Mbps

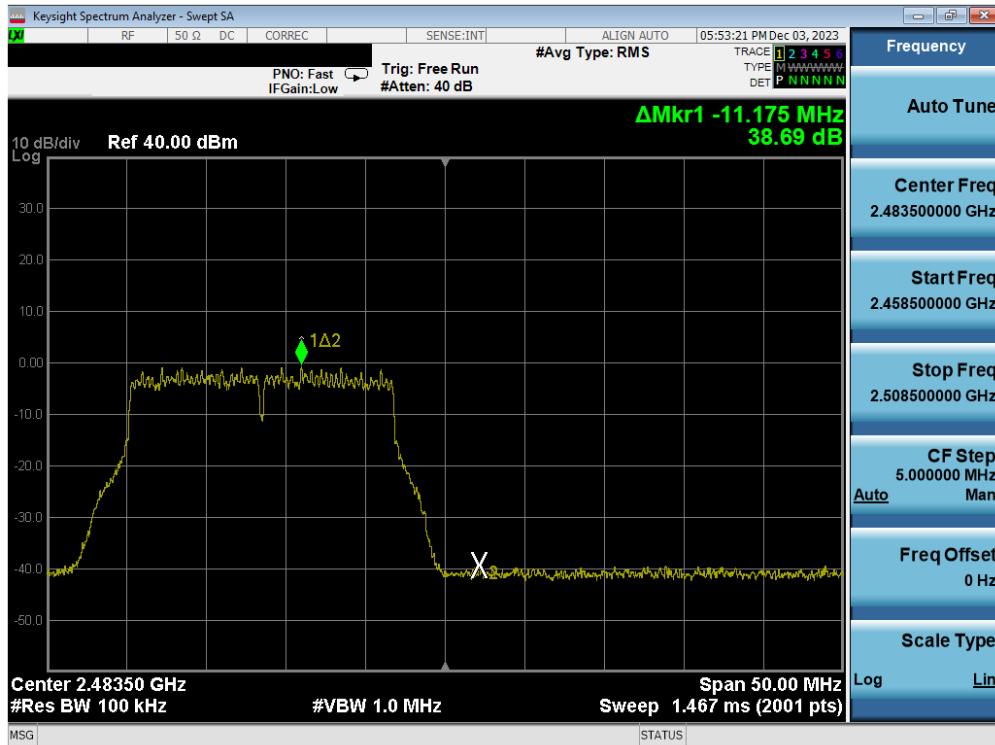


Plot 7-395. Band Edge Plot Antenna WF2b (802.11g – Ch. 11) – 54Mbps

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 242 of 426

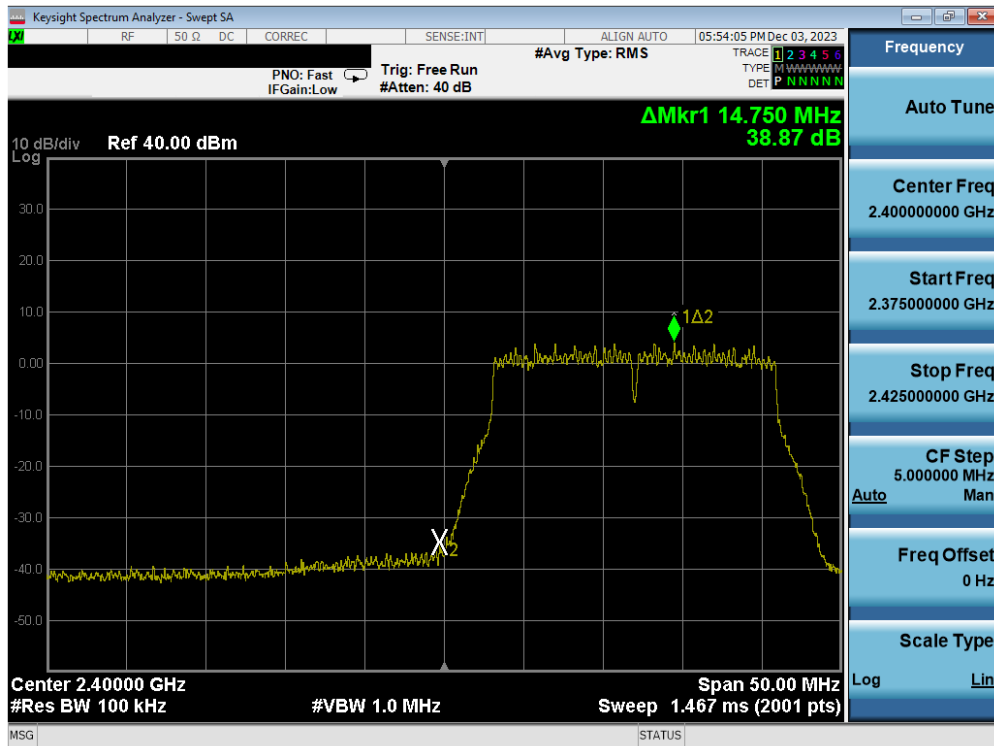


Plot 7-396. Band Edge Plot Antenna WF2b (802.11g – Ch. 12) – 54Mbps

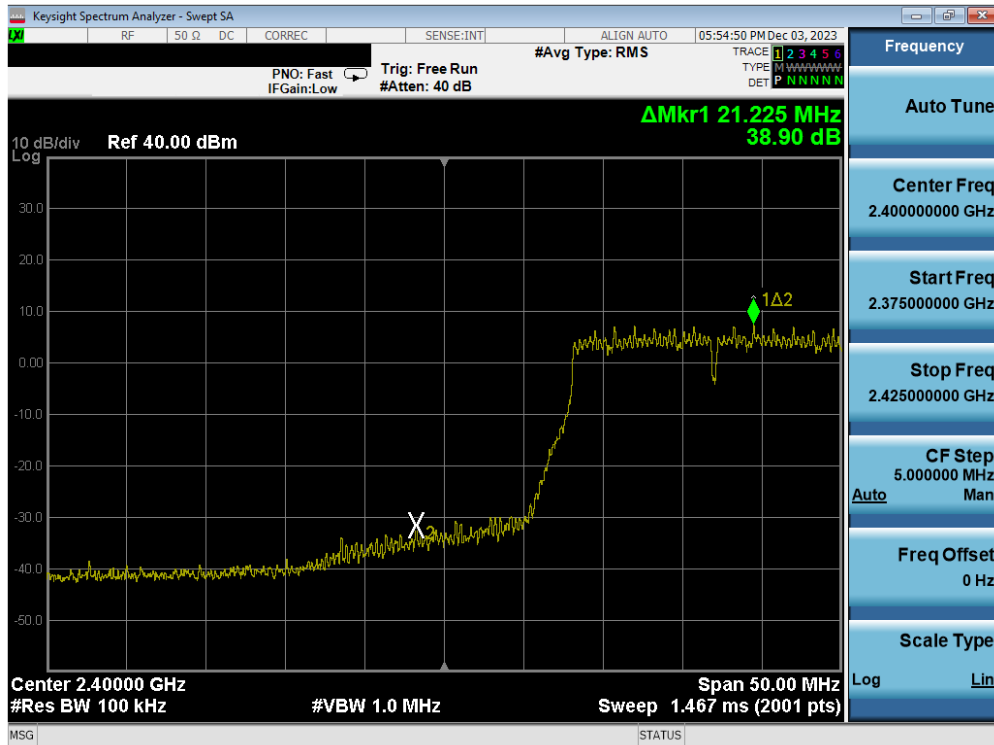


Plot 7-397. Band Edge Plot Antenna WF2b (802.11g – Ch. 13) – 54Mbps

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 243 of 426

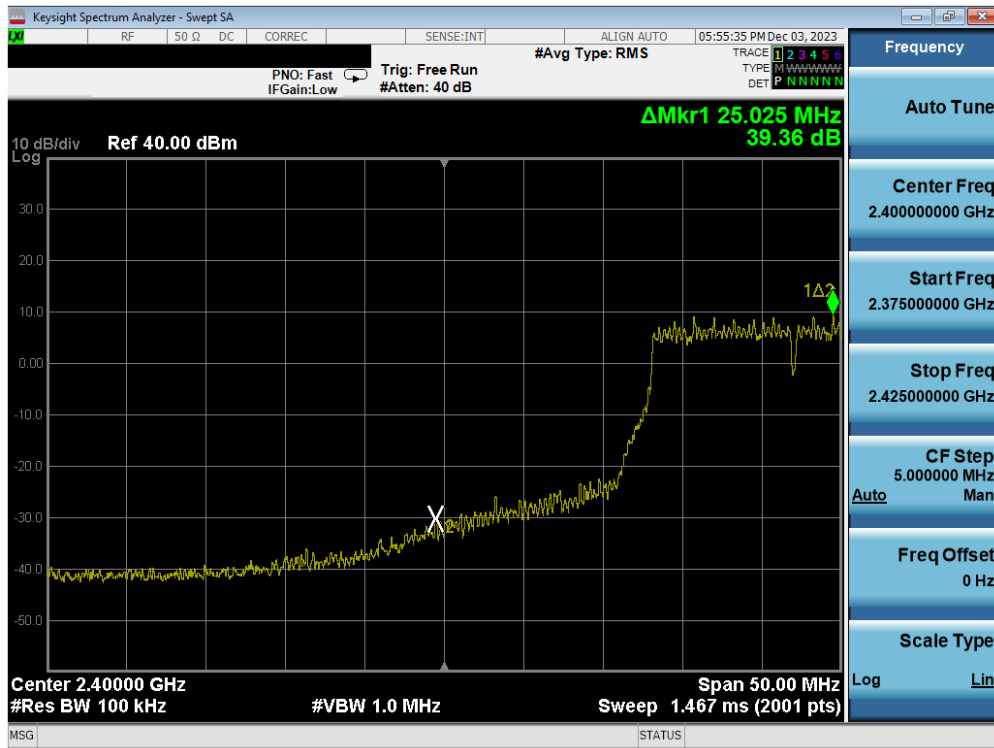


Plot 7-398. Band Edge Plot Antenna WF2b (802.11n (2.4GHz) – Ch. 1) – MCS7

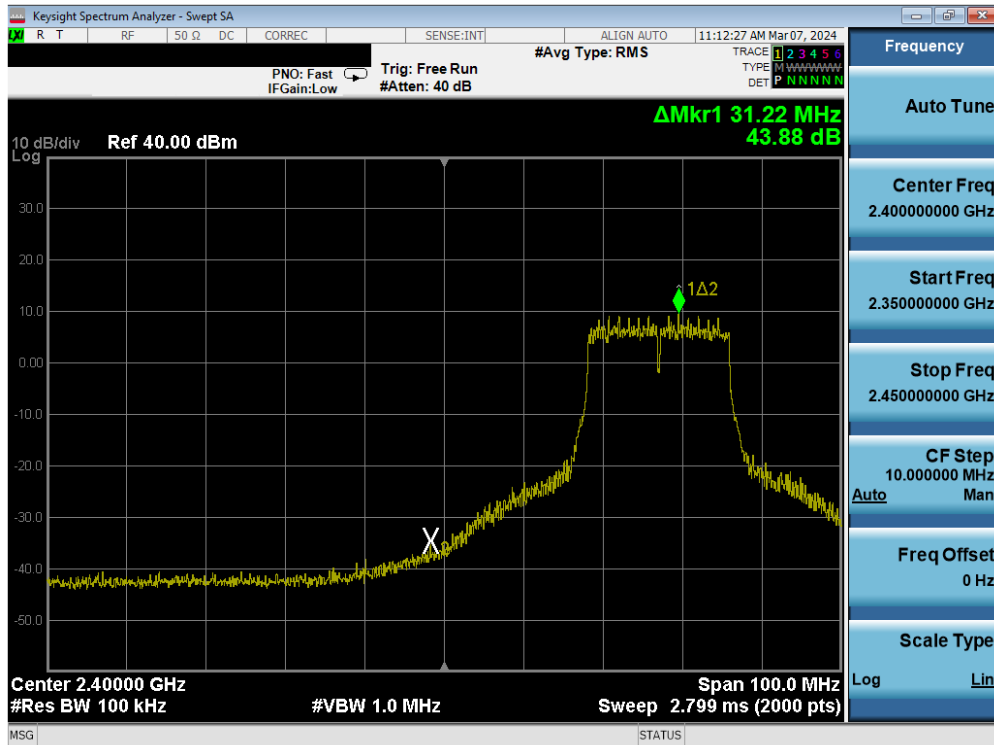


Plot 7-399. Band Edge Plot Antenna WF2b (802.11n (2.4GHz) – Ch. 2) – MCS7

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 244 of 426

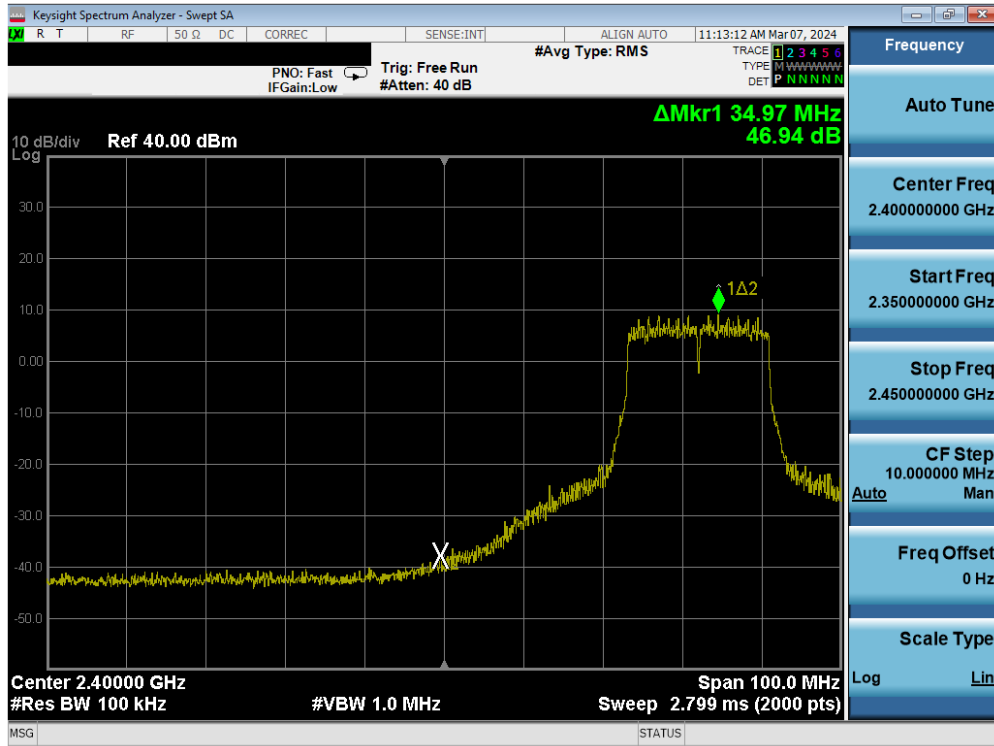


Plot 7-400. Band Edge Plot Antenna WF2b (802.11n (2.4GHz) – Ch. 3) – MCS7

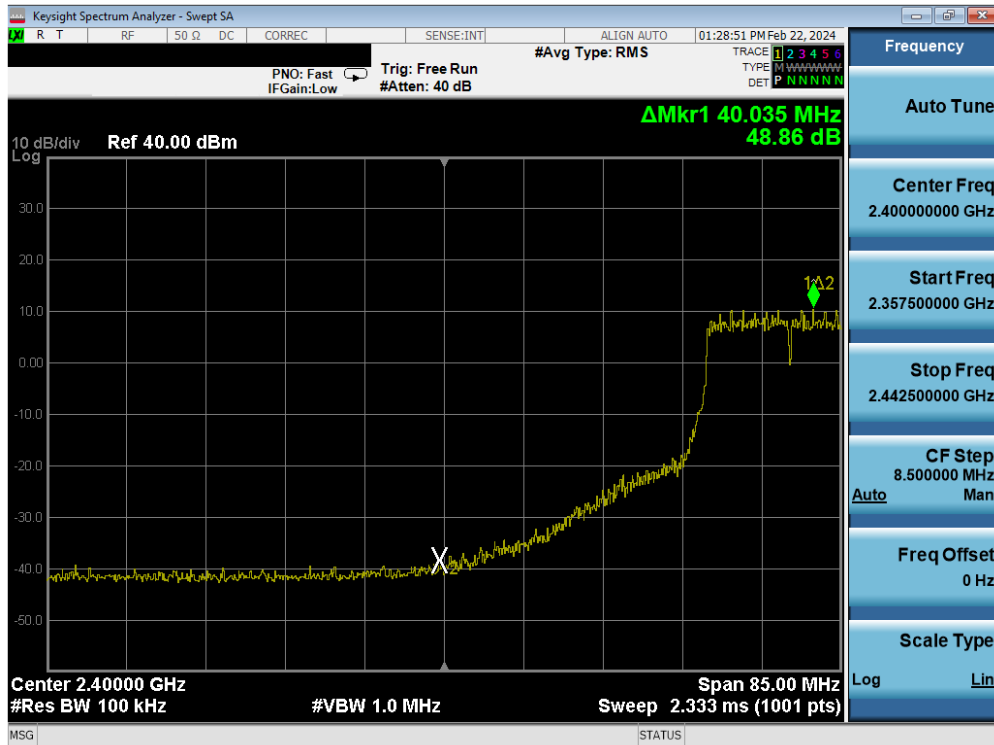


Plot 7-401. Band Edge Plot Antenna WF2b (802.11n (2.4GHz) – Ch. 4) – MCS7

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 245 of 426



Plot 7-402. Band Edge Plot Antenna WF2b (802.11n (2.4GHz) – Ch. 5) – MCS7

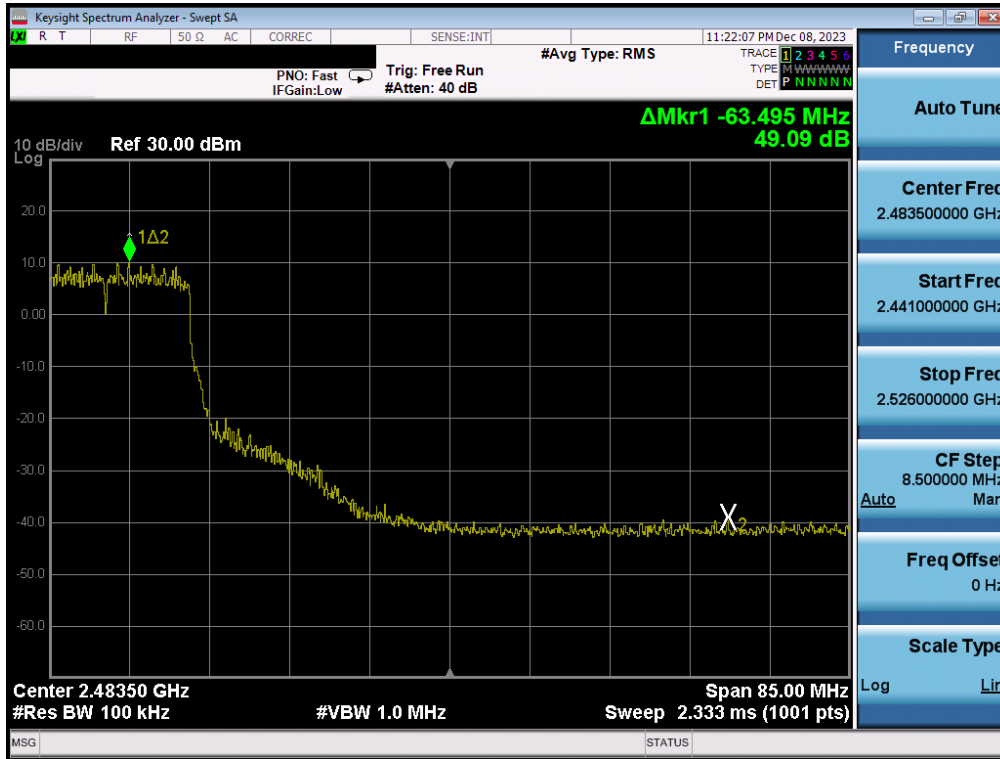


Plot 7-403. Band Edge Plot Antenna WF2b (802.11n (2.4GHz) – Ch. 6(low)) – MCS7

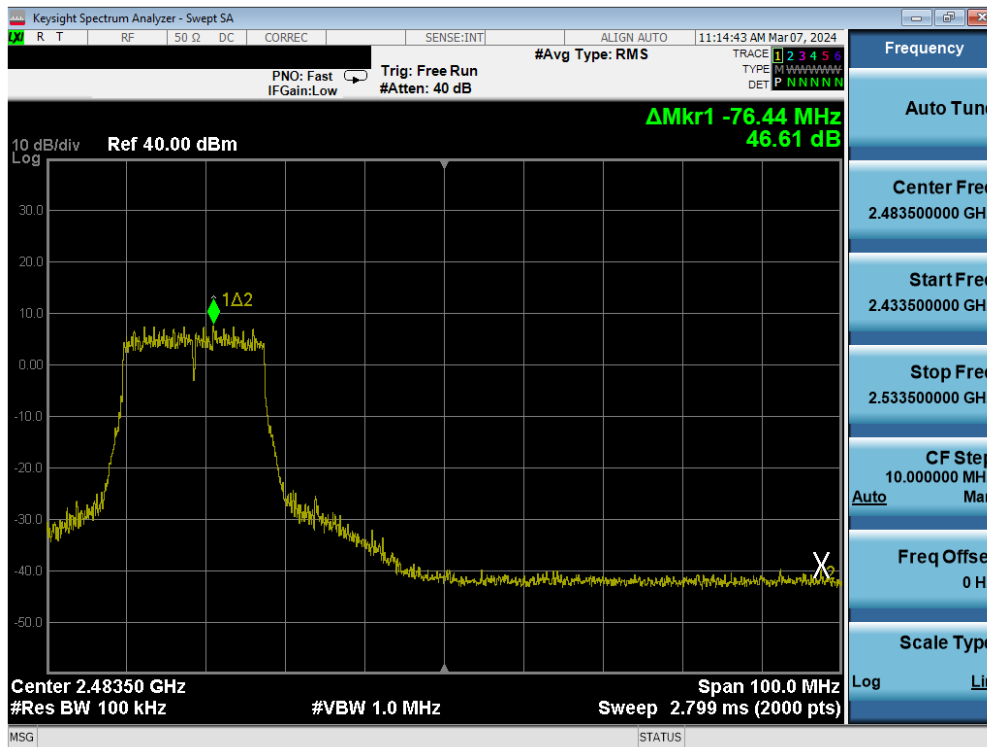
FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 246 of 426





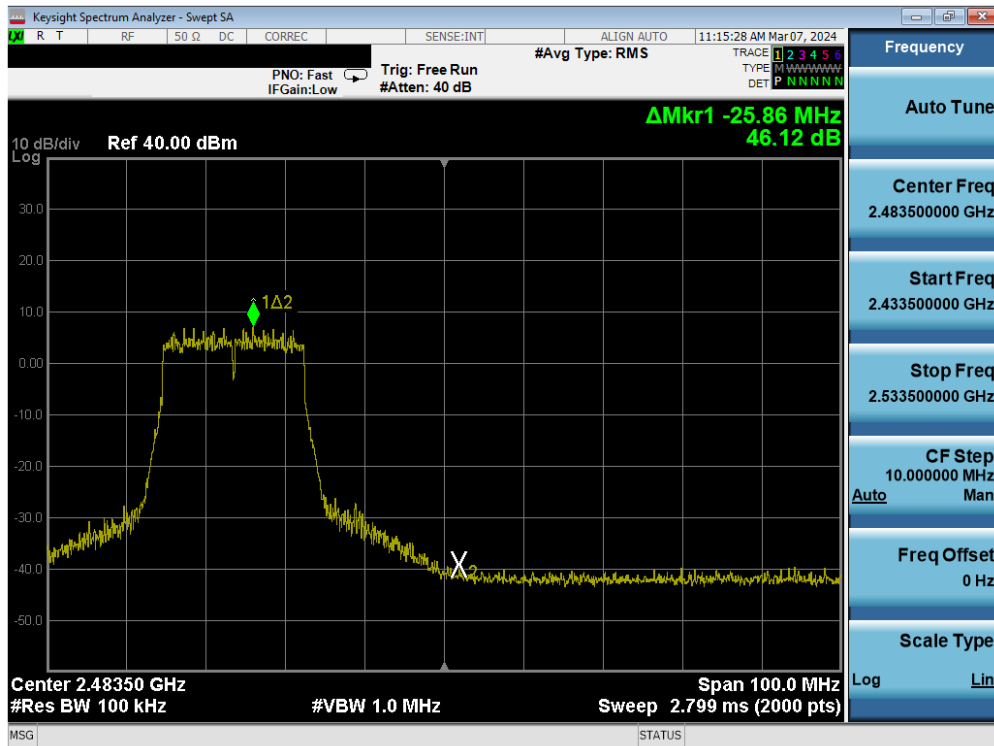


Plot 7-406. Band Edge Plot Antenna WF2b (802.11n (2.4GHz) – Ch. 8) – MCS7

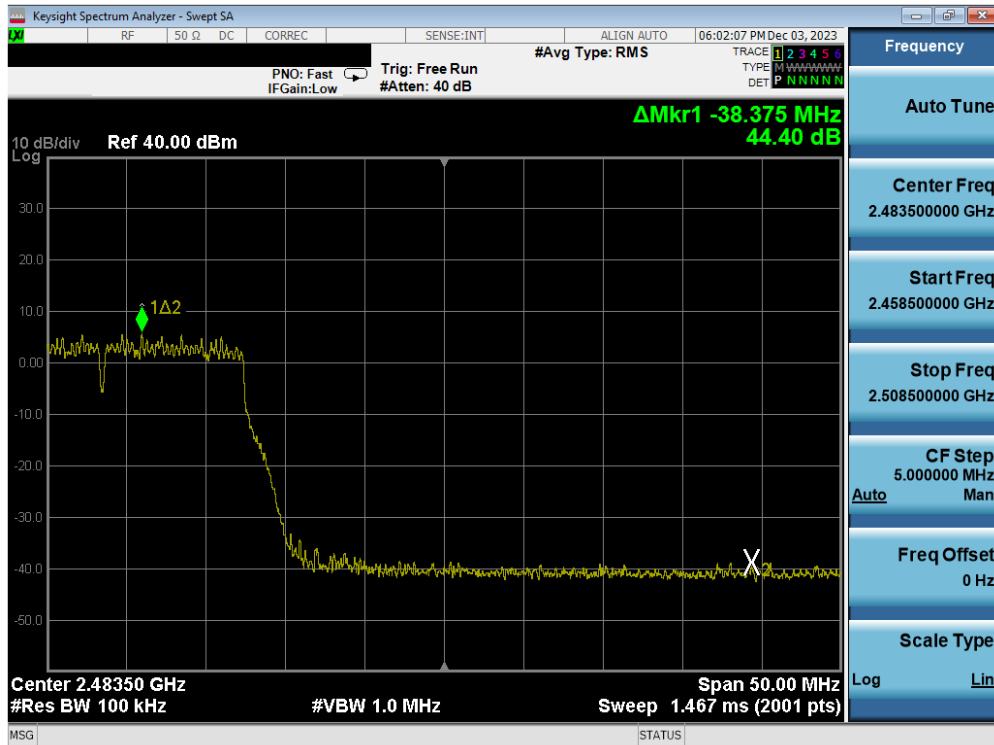


Plot 7-407. Band Edge Plot Antenna WF2b (802.11n (2.4GHz) – Ch. 9) – MCS7

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 248 of 426

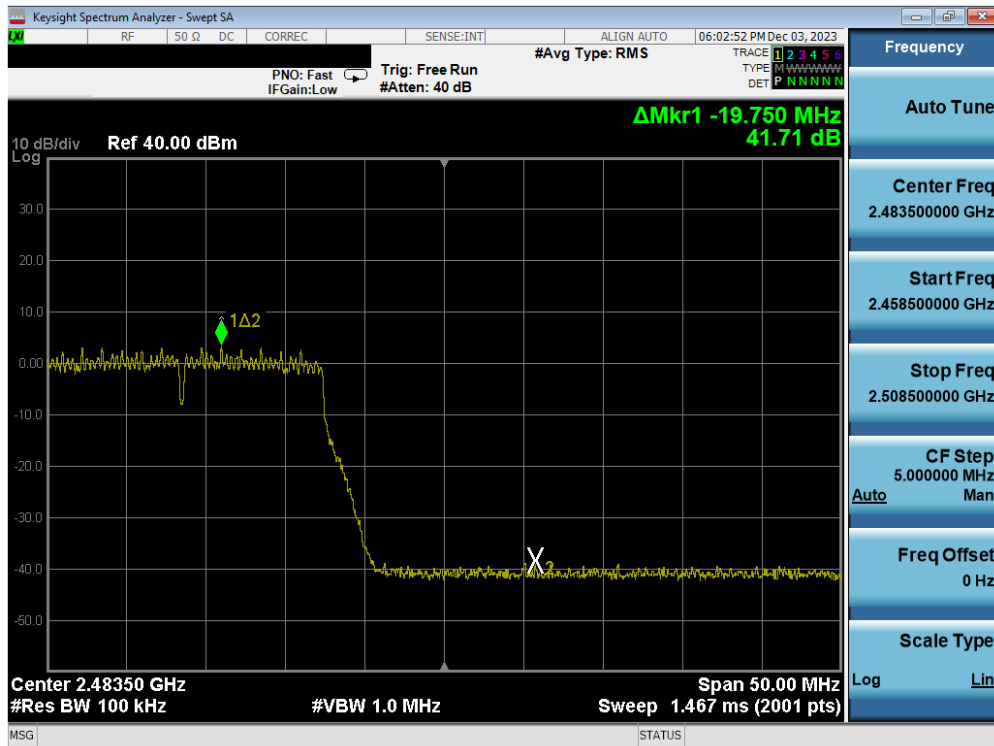


Plot 7-408. Band Edge Plot Antenna WF2b (802.11n (2.4GHz) – Ch. 10) – MCS7

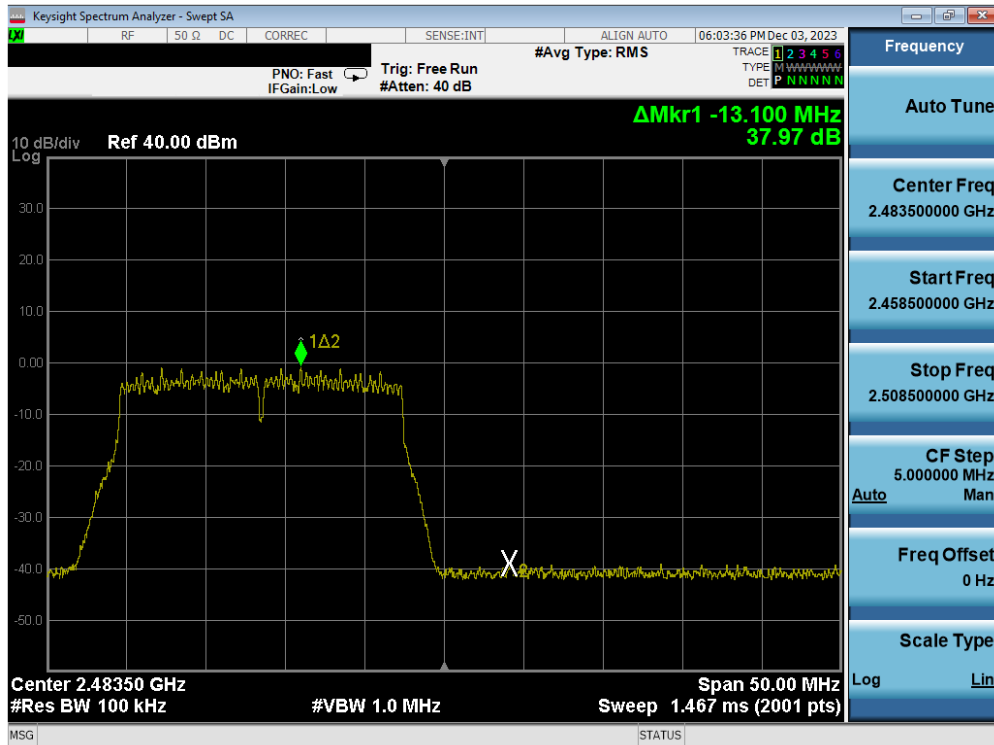


Plot 7-409. Band Edge Plot Antenna WF2b (802.11n (2.4GHz) – Ch. 11) – MCS7


FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 249 of 426

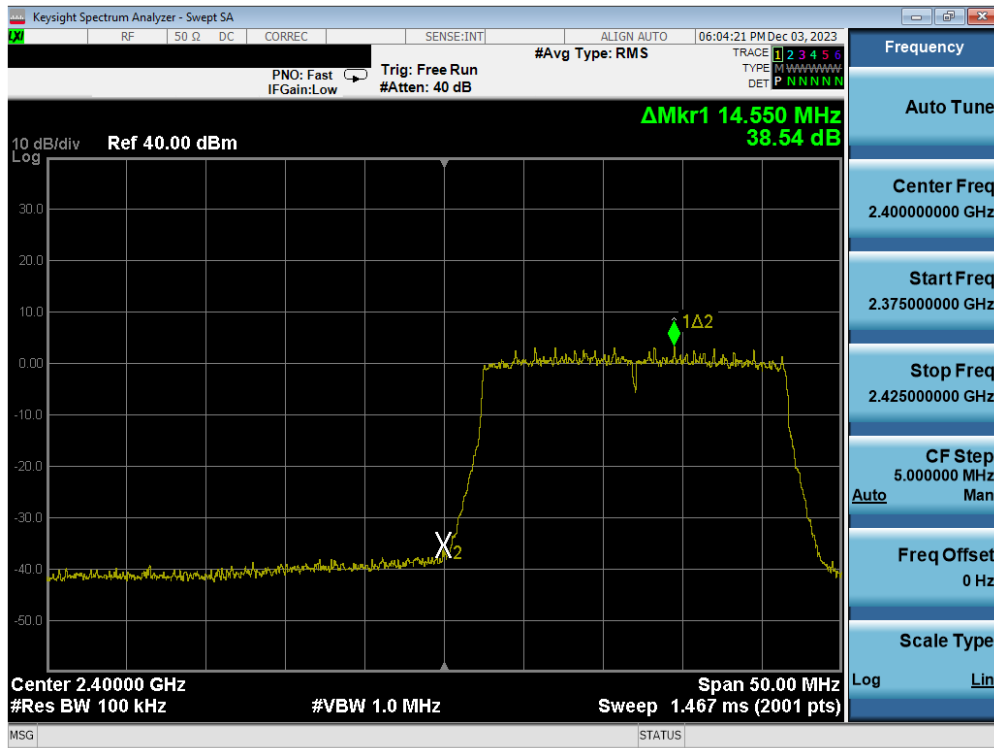


Plot 7-410. Band Edge Plot Antenna WF2b (802.11n (2.4GHz) – Ch. 12) – MCS7

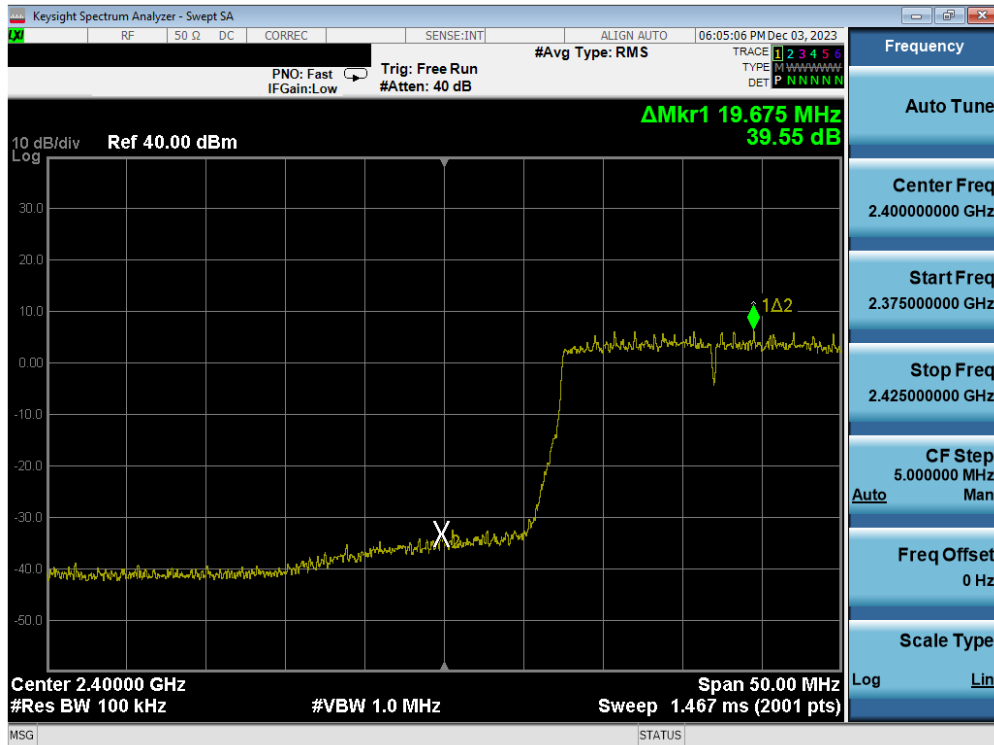


Plot 7-411. Band Edge Plot Antenna WF2b (802.11n (2.4GHz) – Ch. 13) – MCS7


FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 250 of 426

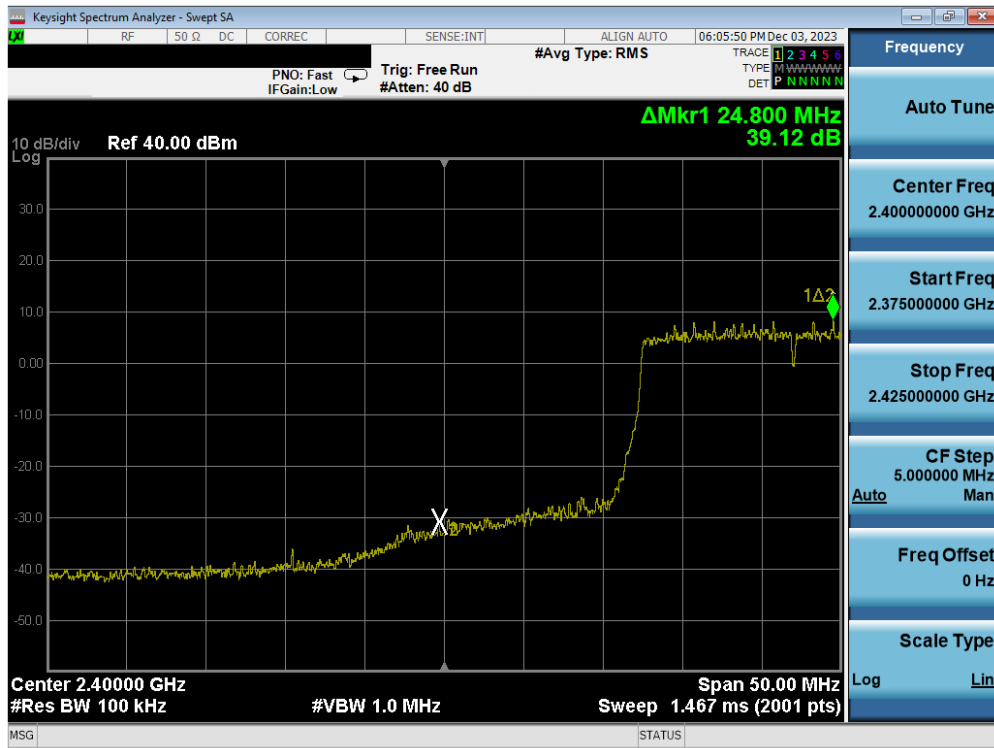


Plot 7-412. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) - Ch. 1) - MCS9

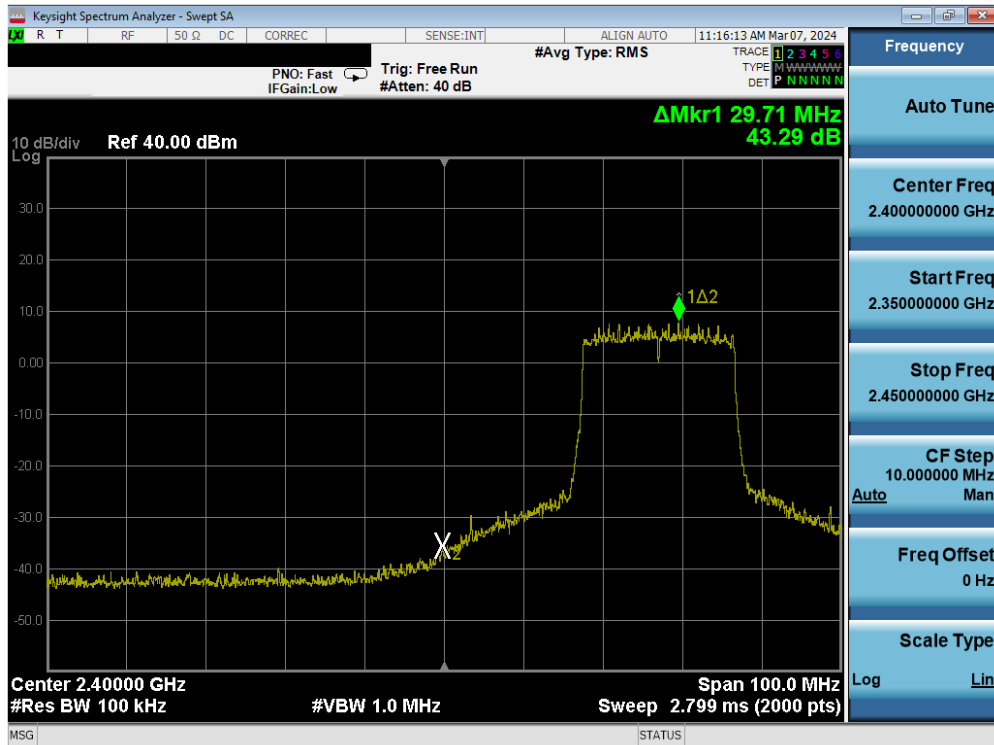


Plot 7-413. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) - Ch. 2) - MCS9


FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 251 of 426

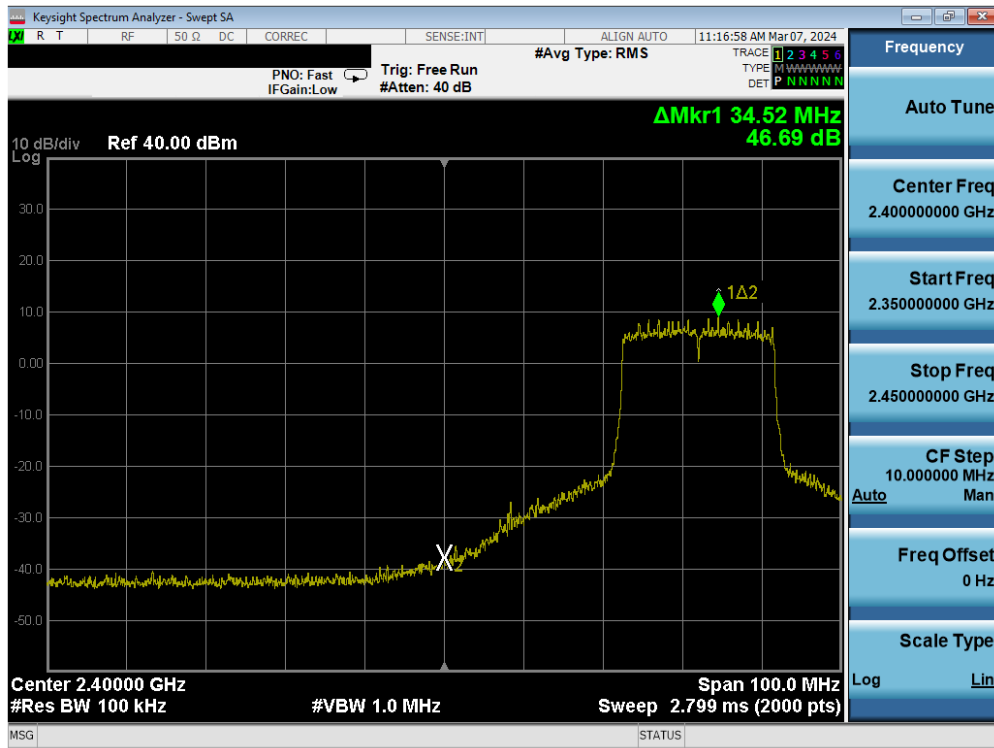


Plot 7-414. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) – Ch. 3) – MCS9

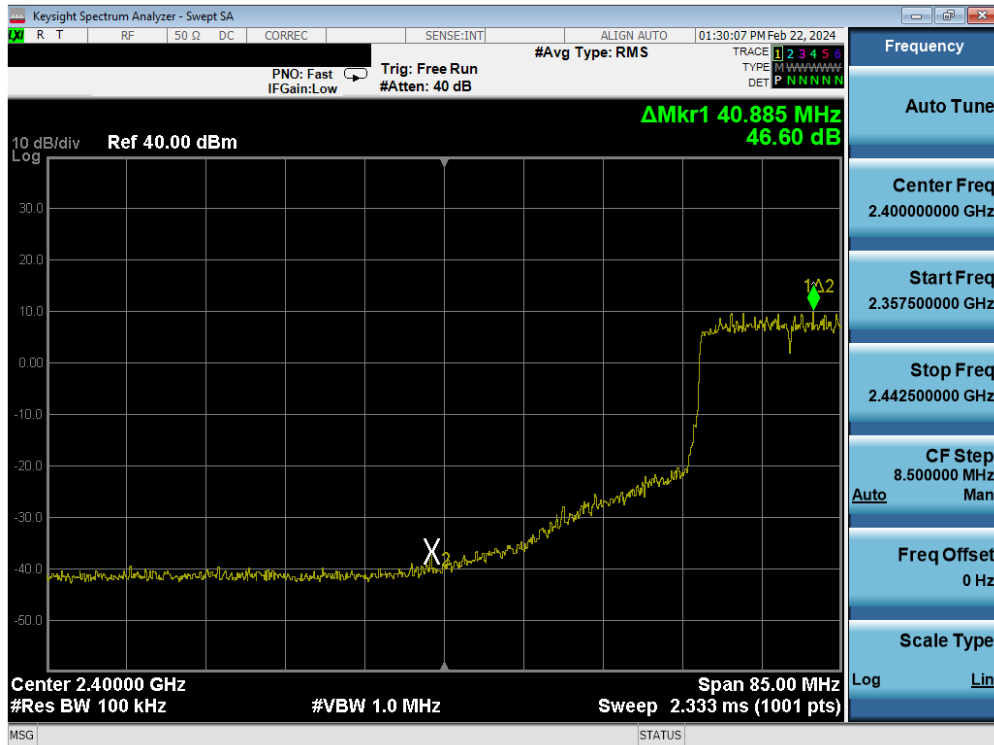


Plot 7-415. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) – Ch. 4) – MCS9

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 252 of 426

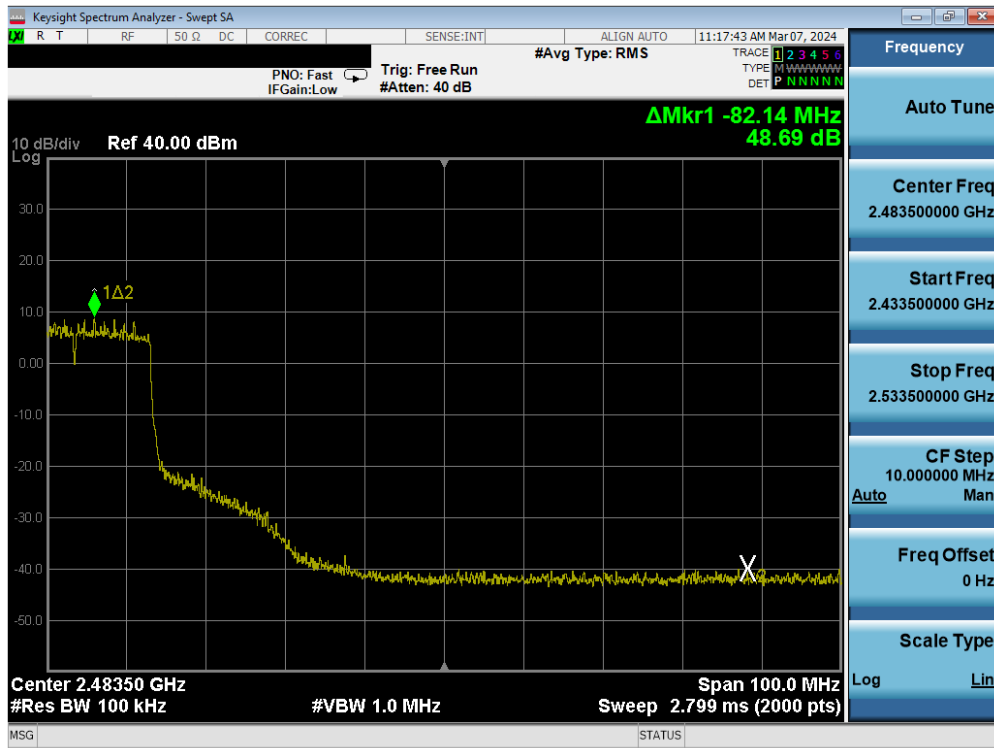


Plot 7-416. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) – Ch. 5) – MCS9

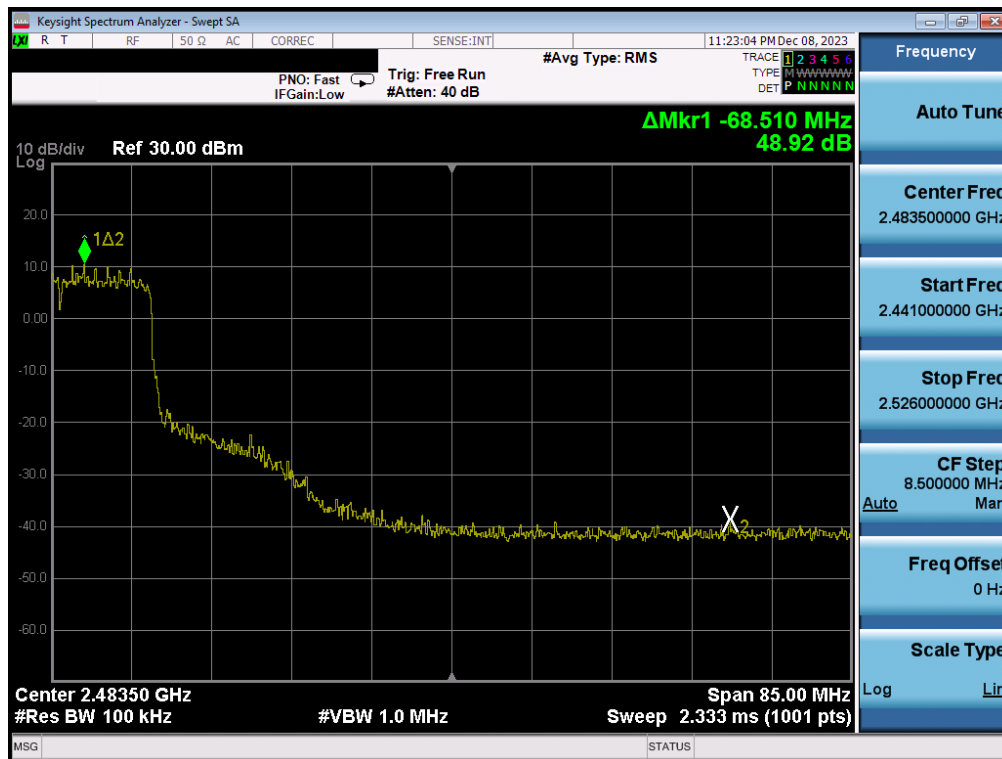


Plot 7-417. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) – Ch. 6 (low)) – MCS9

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 253 of 426

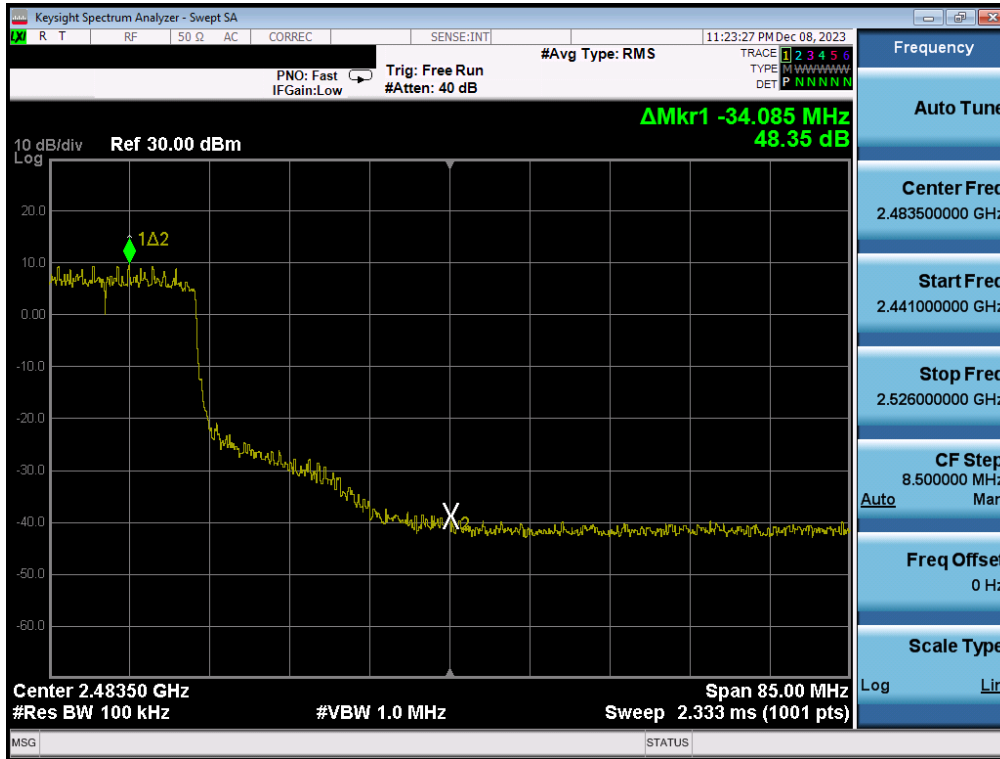


Plot 7-418. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) – Ch. 6 (high)) – MCS9

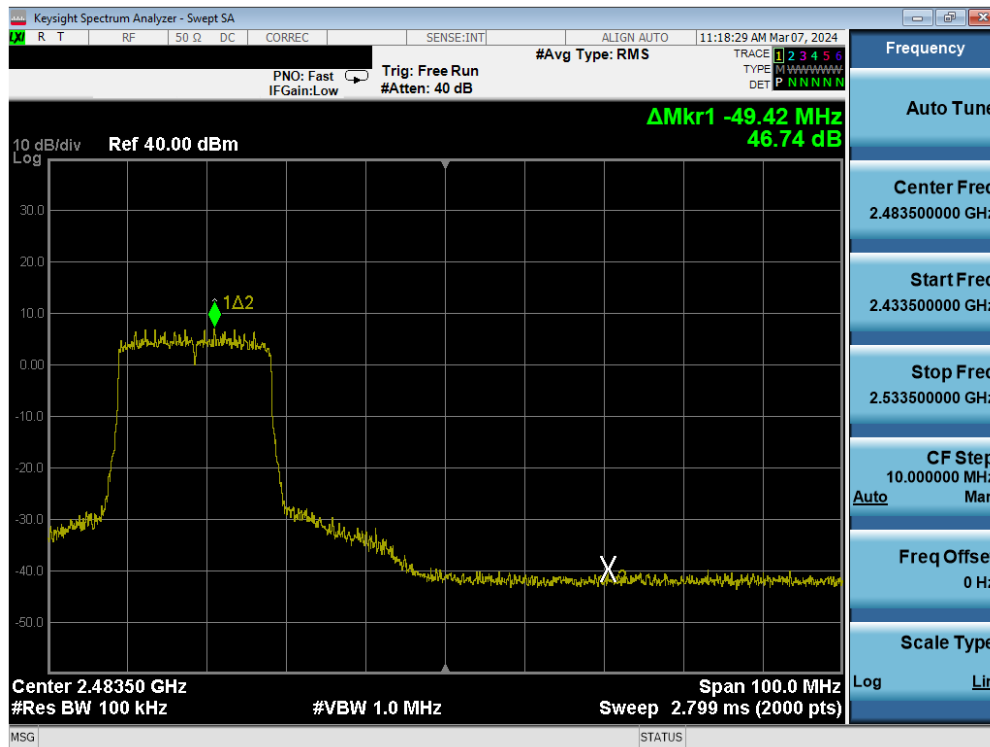


Plot 7-419. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) – Ch. 7) – MCS9

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 254 of 426



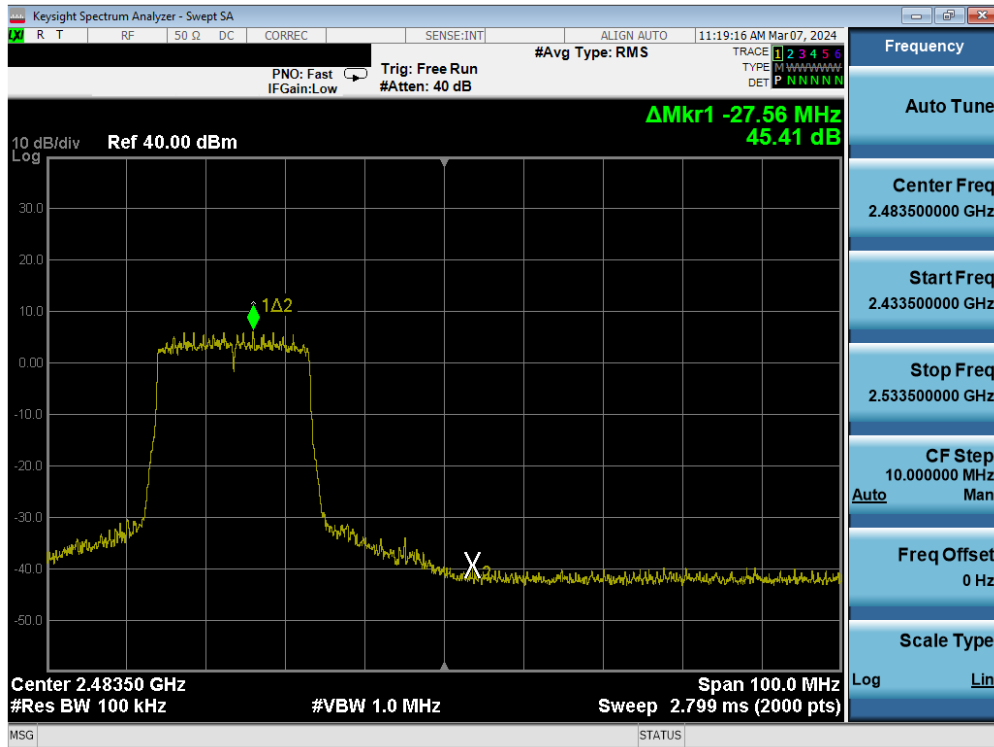
Plot 7-420. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) - Ch. 8) - MCS9



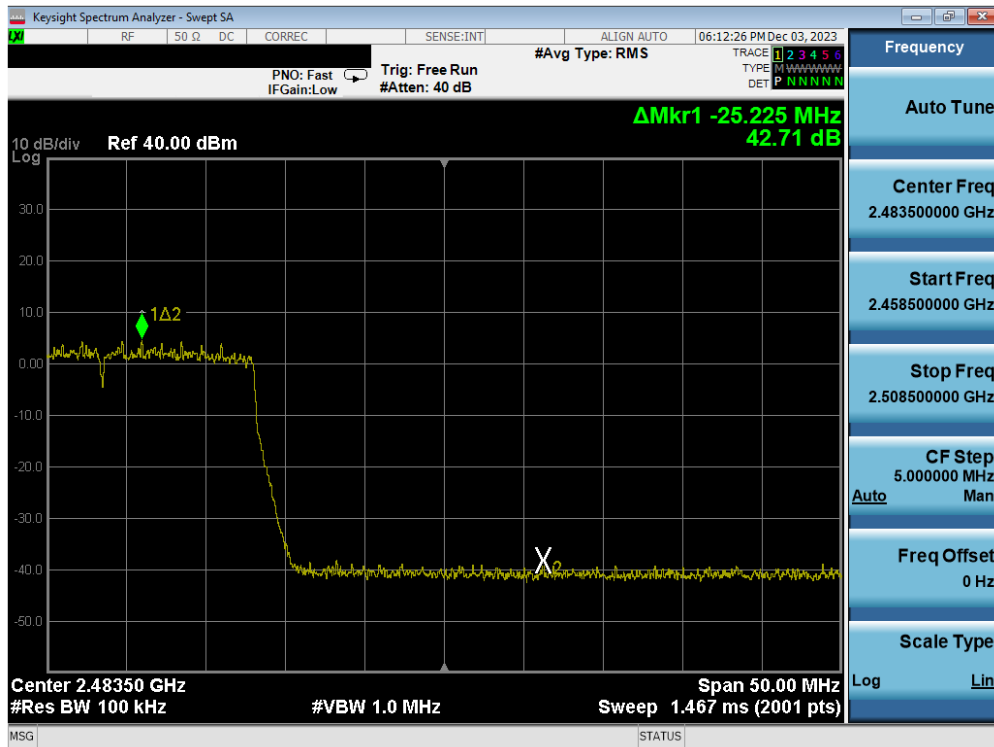
Plot 7-421. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) - Ch. 9) - MCS9

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 255 of 426



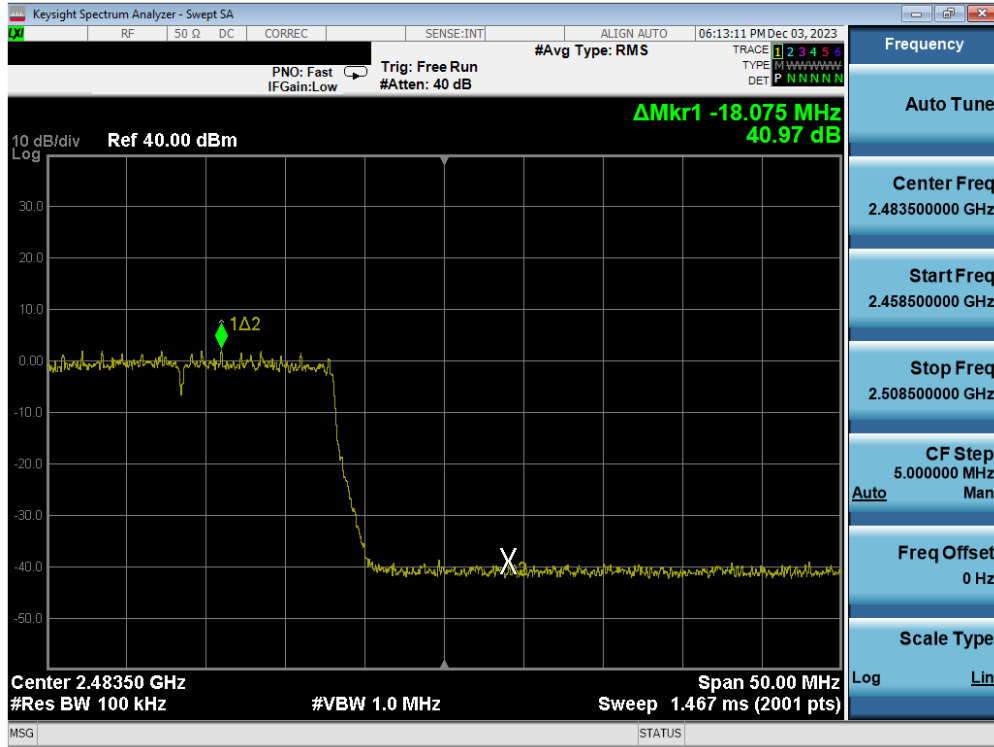


Plot 7-422. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) – Ch. 10) – MCS9



Plot 7-423. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) – Ch. 11) – MCS9

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 256 of 426



Plot 7-424. Band Edge Plot Antenna WF2b (802.11ax(SU) - (2.4GHz) – Ch. 12) – MCS9

<b>FCC ID:</b> BCGA2898 <b>IC:</b> 579C-A2898		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270065-03.BCG			<b>Test Dates:</b> 12/1/2023 - 2/20/2024

## 7.6 Conducted Spurious Emissions

§15.247(d); RSS-247 [5.5]

### Test Overview and Limit

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. For the following out of band conducted spurious emissions plots, the EUT was investigated in all available data rates for “b”, “g”, “n”, “ax-SU” modes. The worst case spurious emissions for the 2.4GHz band were found while transmitting in “b” mode at 11 Mbps and are shown in the plots below.

***The limit for out-of-band spurious emissions at the band edge is 20dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100kHz bandwidth per the procedure in Section 11.11 of ANSI C63.10-2013 and KDB 558074 D01 v05r02.***

### Test Procedure Used

ANSI C63.10-2013 – Subclause 14.3.3  
KDB 558074 D01 v05r02 – Section 8.5

### Test Settings

1. Start frequency was set to 30MHz and stop frequency was set to 25GHz (separated into two plots per channel)
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = Peak
5. Trace mode = max hold
6. Sweep time = auto couple
7. The trace was allowed to stabilize

### Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



**Figure 7-5. Test Instrument & Measurement Setup**

<b>FCC ID:</b> BCGA2898 <b>IC:</b> 579C-A2898		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270065-03.BCG	<b>Test Dates:</b> 12/1/2023 - 2/20/2024	<b>EUT Type:</b> Tablet Device	Page 258 of 426

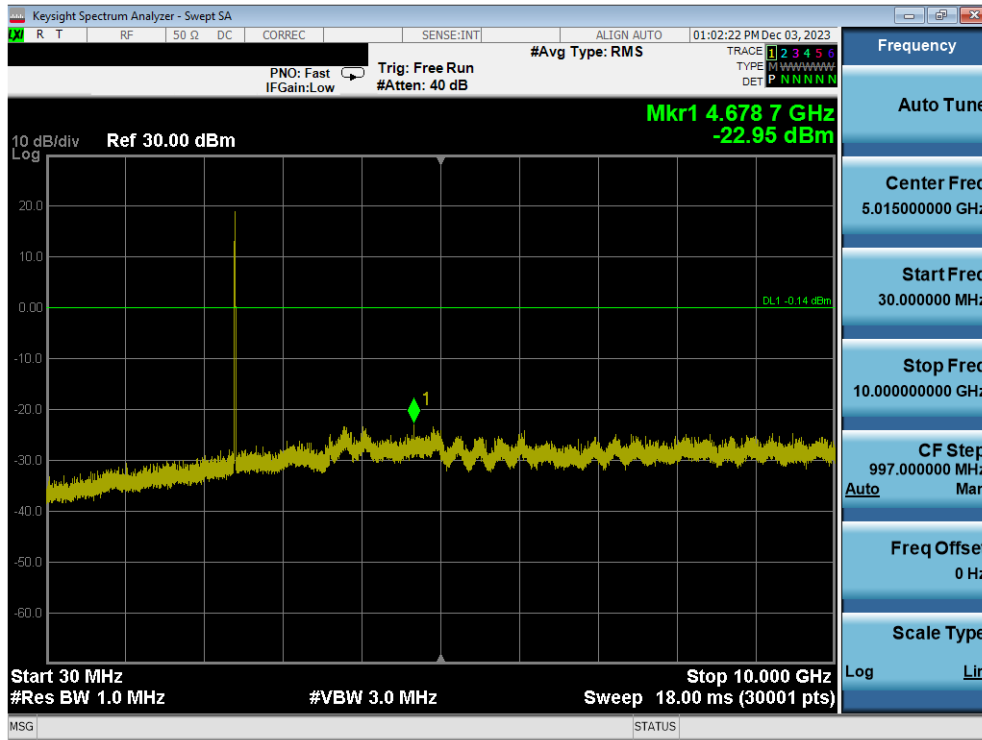
V 10.6 09/14/2023

**Test Notes**

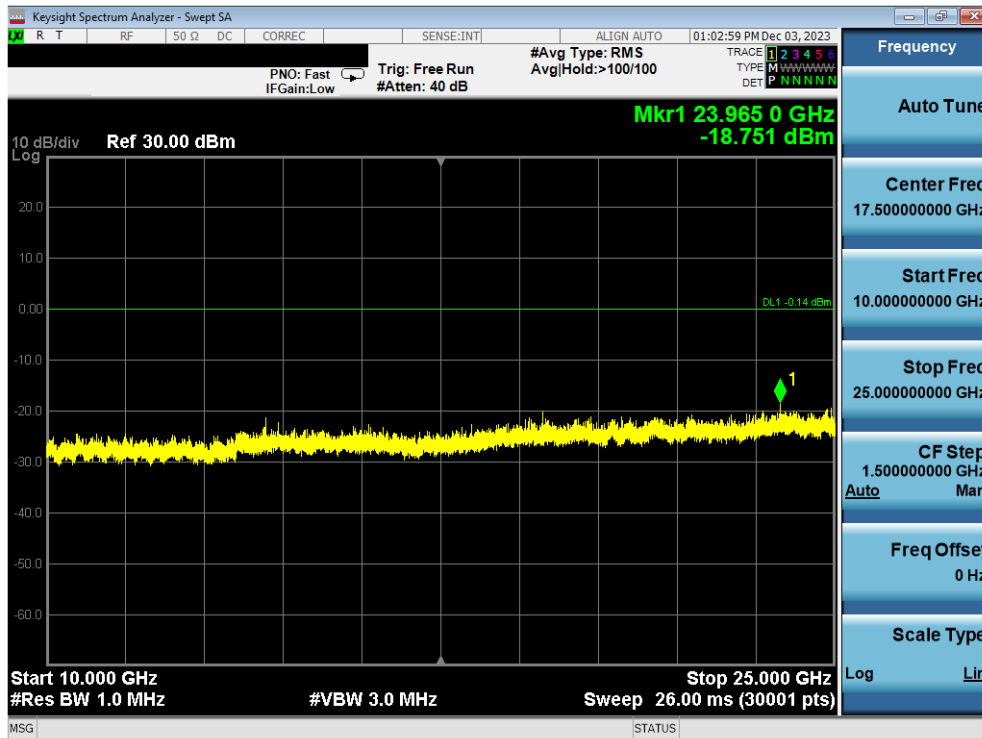
1. RBW was set to 1MHz rather than 100kHz in order to increase the measurement speed.
2. The display line shown in the following plots denotes the limit at 20dB below the fundamental emission level measured in a 100kHz bandwidth. However, since the traces in the following plots are measured with a 1MHz RBW, the display line may not necessarily appear to be 20dB below the level of the fundamental in a 1MHz bandwidth.
3. For plots showing conducted spurious emissions near the limit, the frequencies were investigated with a reduced RBW to ensure that no emissions were present.
4. All modes, data rates, and antenna configurations were investigated and only the worst case is reported.
5. The conducted spurious emissions were measured to relative limits. Therefore, in accordance with ANSI C63.10-2013 and KDB 662911.

<b>FCC ID:</b> BCGA2898 <b>IC:</b> 579C-A2898	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270065-03.BCG		<b>Test Dates:</b> 12/1/2023 - 2/20/2024

## Antenna WF7b Conducted Spurious Emission

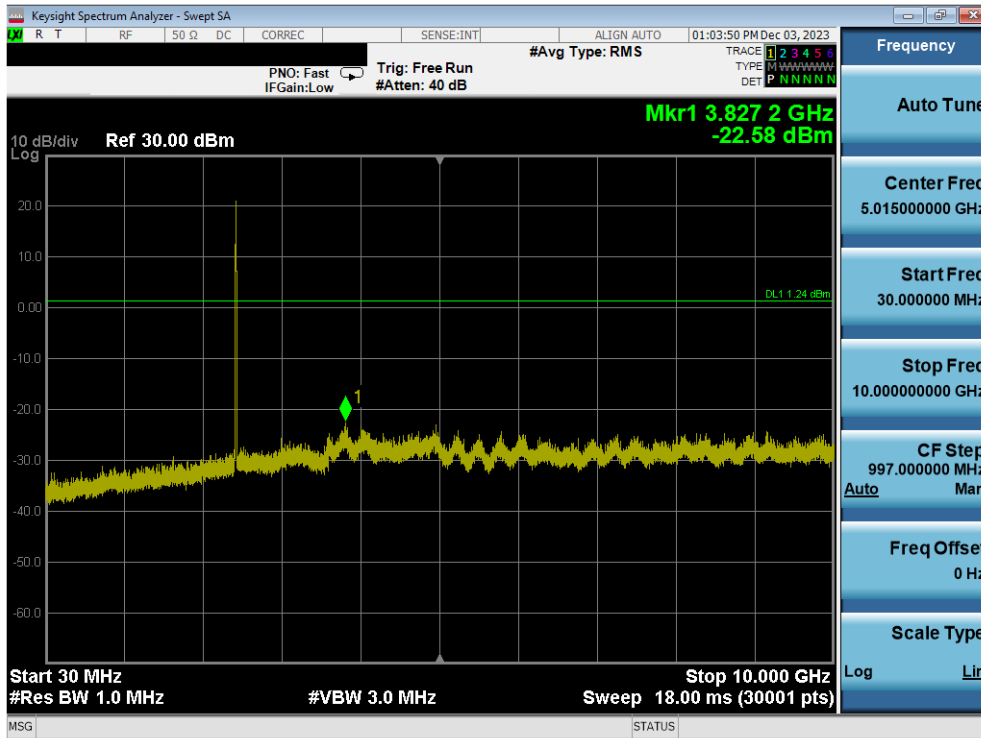


Plot 7-425. Conducted Spurious Plot Antenna WF7b (802.11b – Ch. 1)

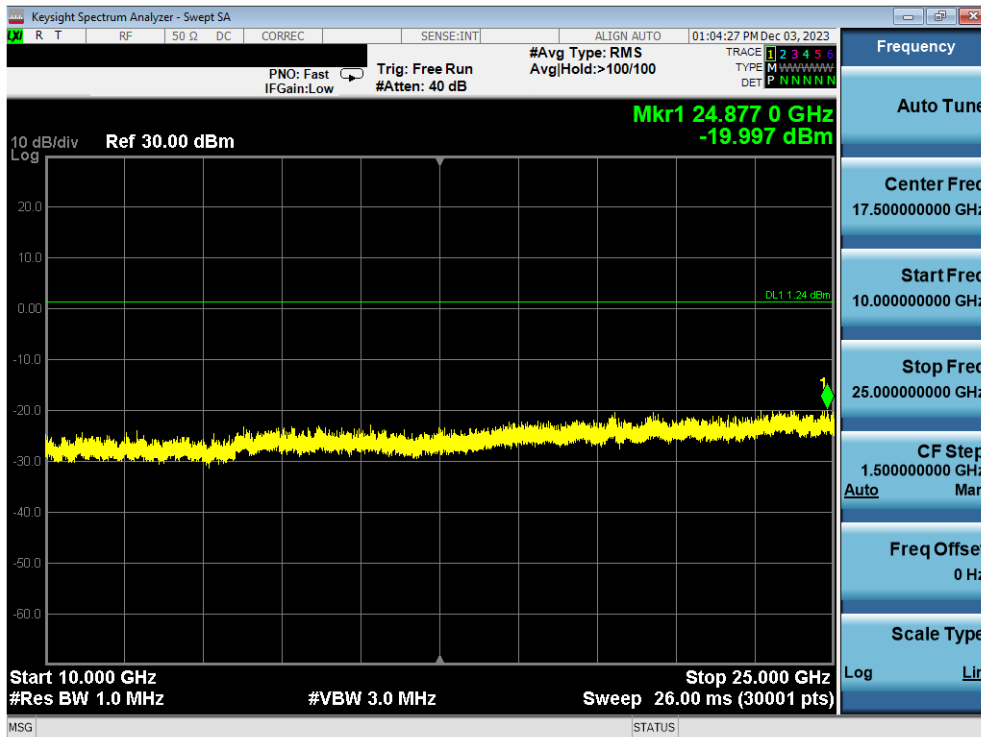


Plot 7-426. Conducted Spurious Plot Antenna WF7b (802.11b – Ch. 1)

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 260 of 426

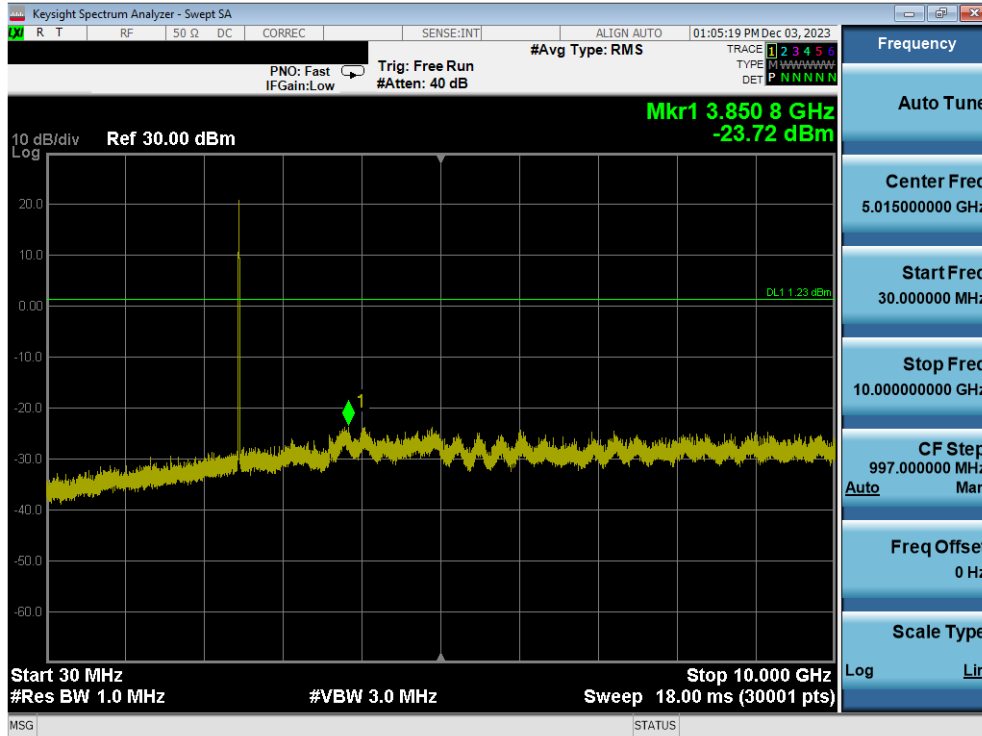


Plot 7-427. Conducted Spurious Plot Antenna WF7b (802.11b – Ch. 6)

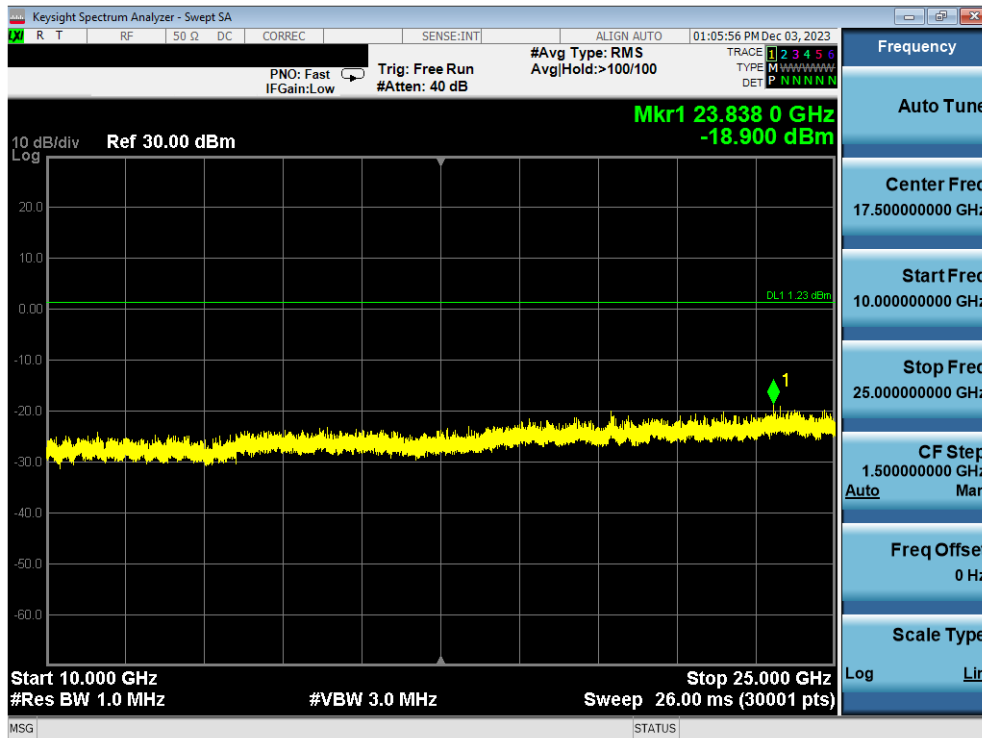


Plot 7-428. Conducted Spurious Plot Antenna WF7b (802.11b – Ch. 6)

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 261 of 426



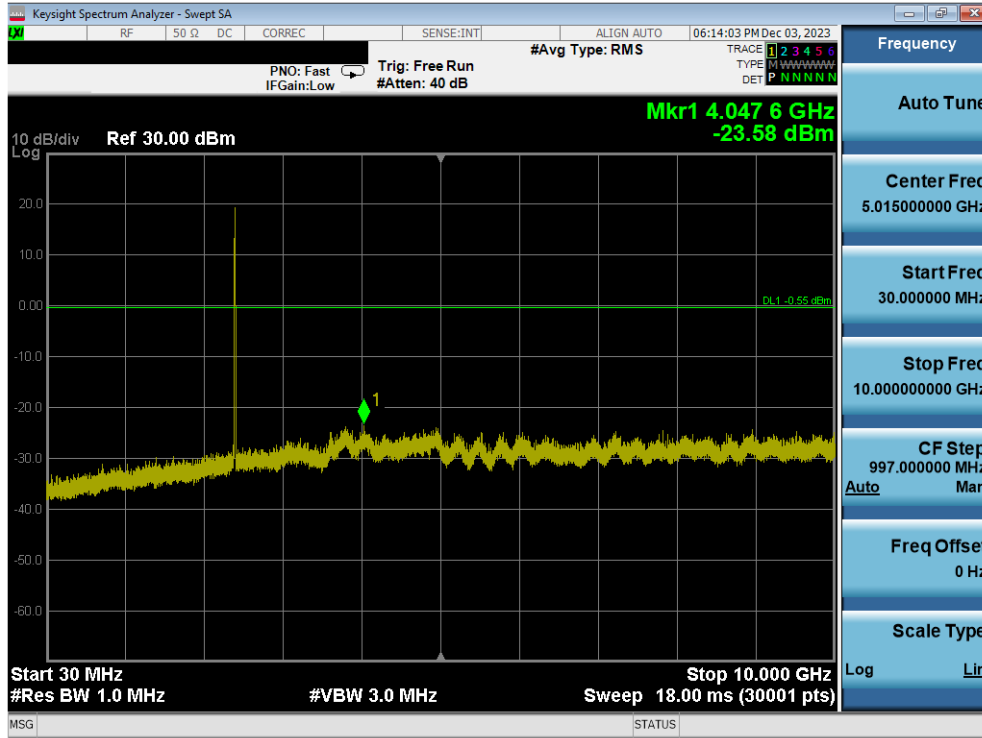
Plot 7-429. Conducted Spurious Plot Antenna WF7b (802.11b – Ch. 11)



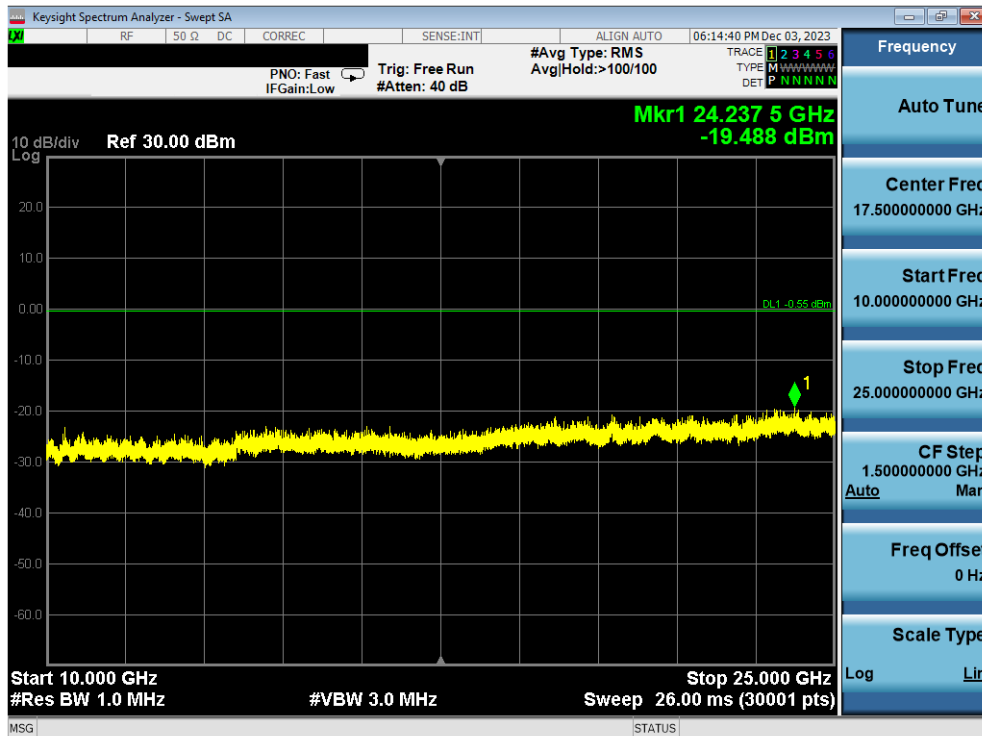
Plot 7-430. Conducted Spurious Plot Antenna WF7b (802.11b – Ch. 11)

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 262 of 426

## Antenna WF2b Conducted Spurious Emission



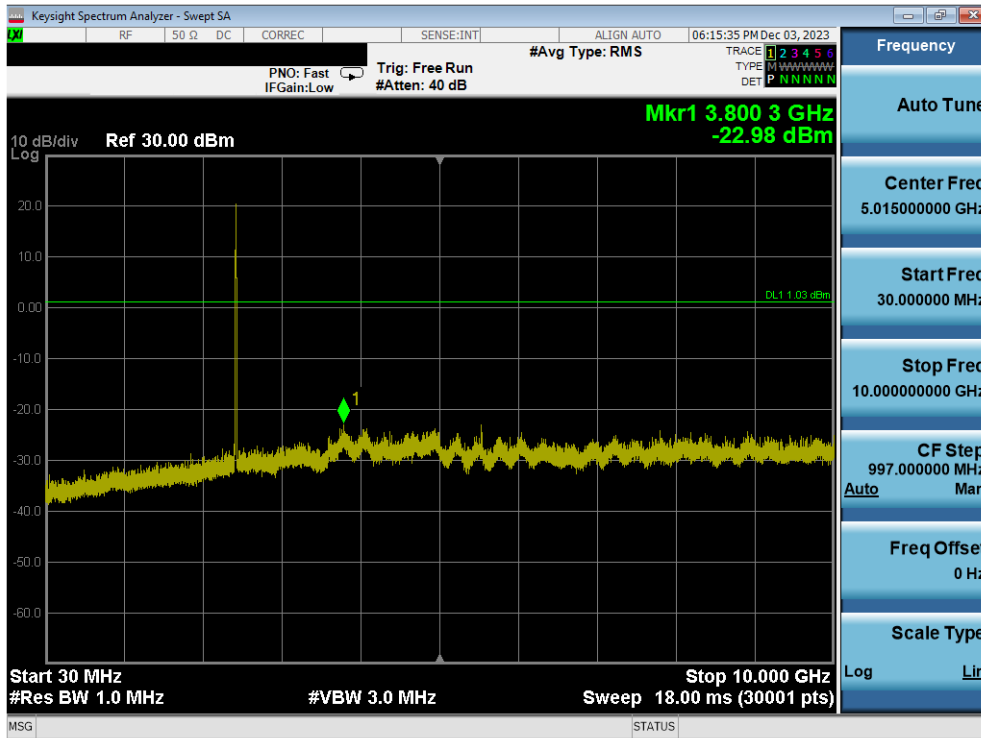
Plot 7-431. Conducted Spurious Plot Antenna WF2b (802.11b – Ch. 1)



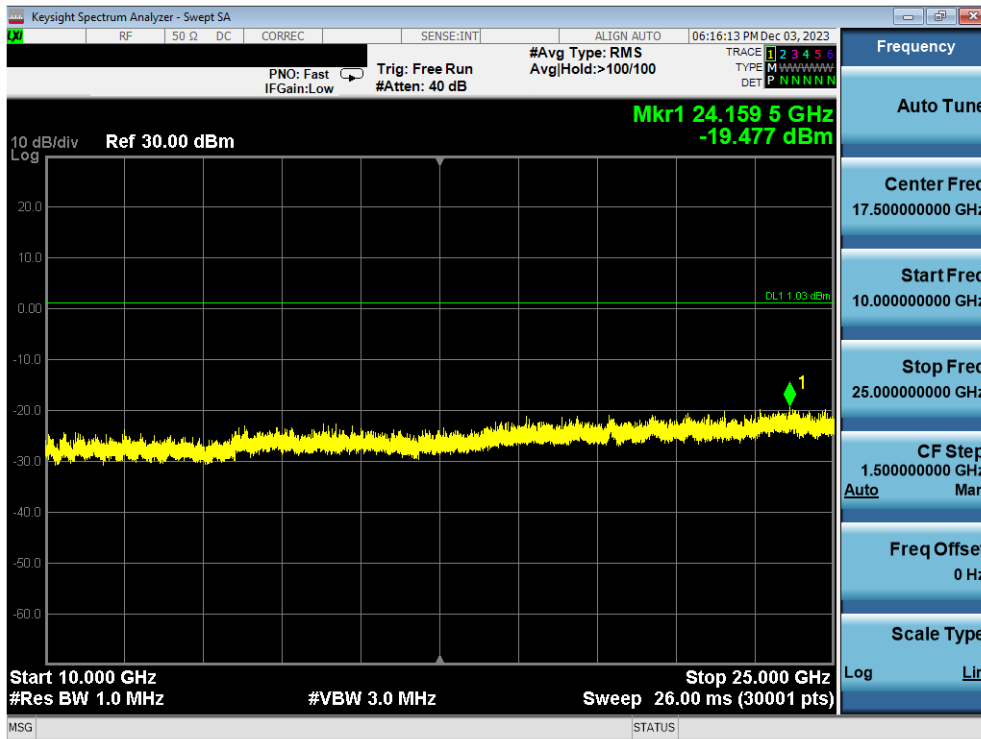
Plot 7-432. Conducted Spurious Plot Antenna WF2b (802.11b – Ch. 1)

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 263 of 426



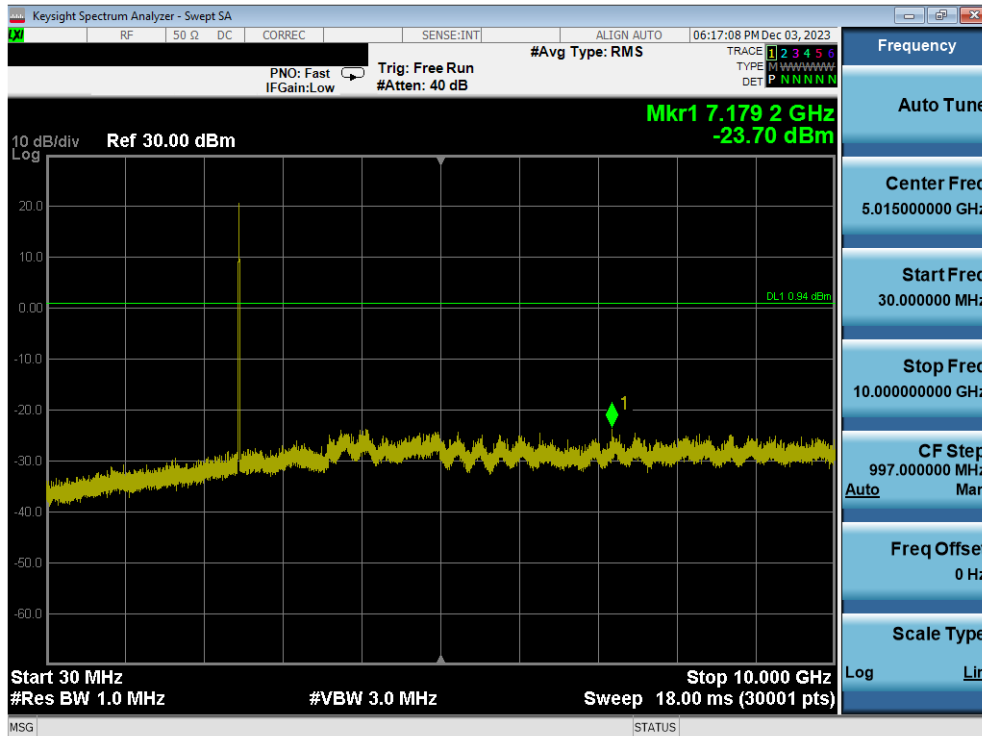


Plot 7-433. Conducted Spurious Plot Antenna WF2b (802.11b – Ch. 6)

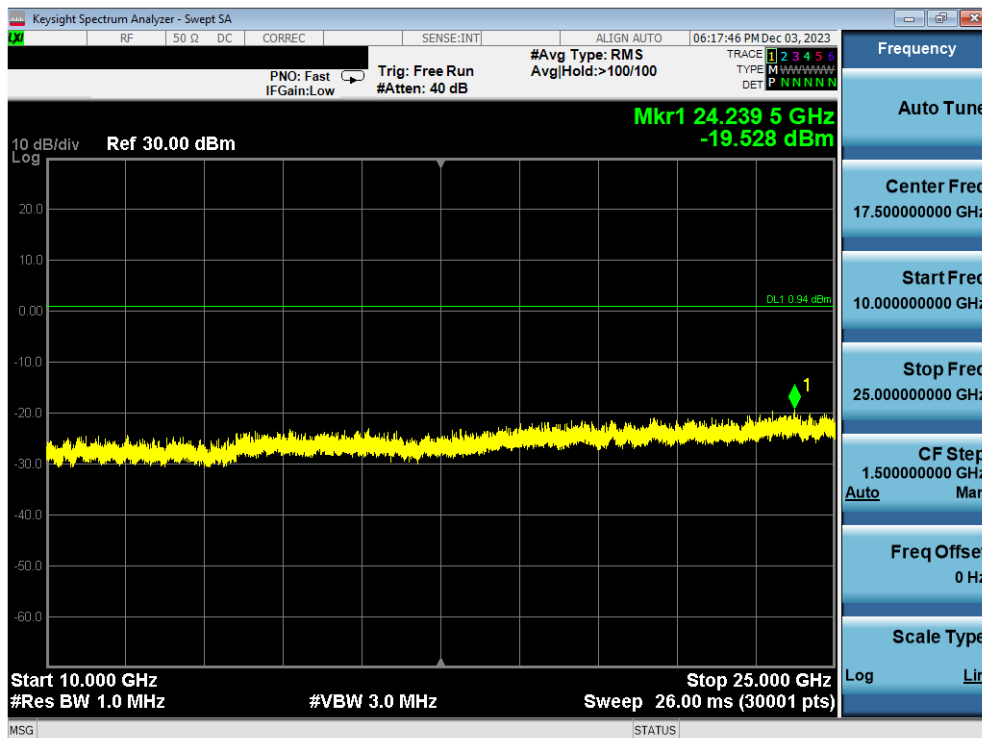


Plot 7-434. Conducted Spurious Plot Antenna WF2b (802.11b – Ch. 6)

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 264 of 426



Plot 7-435. Conducted Spurious Plot Antenna WF2b (802.11b – Ch. 11)



Plot 7-436. Conducted Spurious Plot Antenna WF2b (802.11b – Ch. 11)

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 265 of 426

## 7.7 Radiated Spurious Emissions – Above 1 GHz

§15.247(d) §15.205 & §15.209; RSS-Gen [8.9]

### Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for radiated spurious emissions. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

***All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 7 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-47 per Section 15.209 and RSS-Gen (8.9).***

Frequency	Field Strength [ $\mu\text{V/m}$ ]	Measured Distance [Meters]
Above 960.0 MHz	500	3

Table 7-47. Radiated Limits

### Test Procedures Used

ANSI C63.10-2013 – Subclause 6.6.4.3  
KDB 558074 D01 v05r02 – Sections 8.6, 8.7

### Test Settings

#### Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (RMS)
5. Number of measurement points = 1001 (Number of points must be  $\geq 2 \times \text{span/RBW}$ )
6. Sweep time = auto
7. Trace (RMS) averaging was performed over at least 100 traces

#### Peak Field Strength Measurements

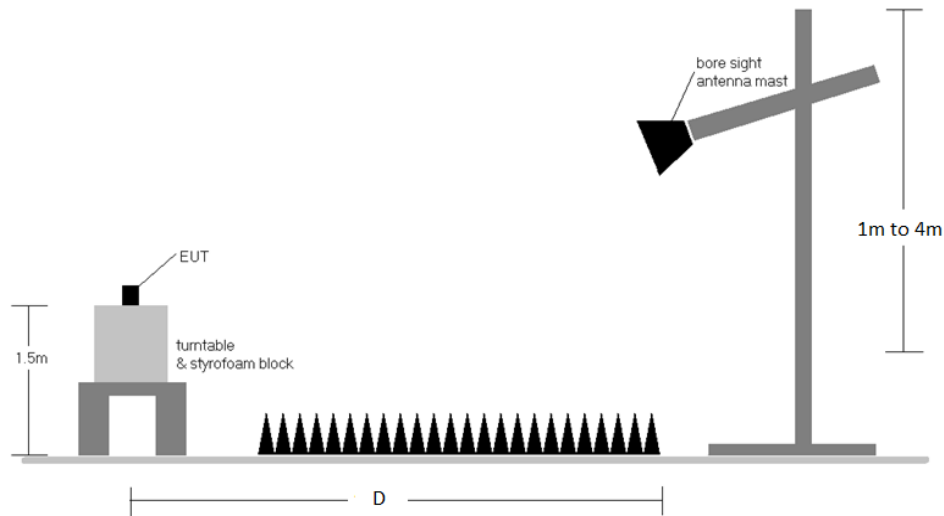
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 266 of 426

V 10.6 09/14/2023

## Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



**Figure 7-6. Radiated Measurement Setup**

## Test Notes

1. The optional test procedures for antenna port conducted measurements of unwanted emissions per the guidance of KDB 558074 D01 v05r02 were not used to evaluate this device for compliance to radiated limits. All Radiated Spurious Emissions levels were measured in a radiated test setup.
2. All emissions lying in restricted bands specified in Section 15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-47.
3. The antenna is manipulated through typical positions, polarity and length during the tests. The EUT is manipulated through three orthogonal planes.
4. This unit was tested with its standard battery.
5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. Above 1 GHz, average and peak measurements were taken using linearly polarized horn antennas.
6. D is the measurement test distance and emissions 1-18GHz were measured at a 3 meters test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
7. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. Any emissions found to be within 20dB of the limit are fully investigated and the results are shown in this section.
8. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
9. The unit was tested with all possible modes and only the highest emission is reported.

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 267 of 426

V 10.6 09/14/2023

## Sample Calculations

### Determining Spurious Emissions Levels

- Field Strength Level  $_{[dB_{\mu V/m}]} = \text{Analyzer Level }_{[dBm]} + 107 + \text{AFCL }_{[dB/m]}$
- $\text{AFCL }_{[dB/m]} = \text{Antenna Factor }_{[dB/m]} + \text{Cable Loss }_{[dB]} - \text{Preamplifier Gain }_{[dB]}$
- $\text{Margin }_{[dB]} = \text{Field Strength Level }_{[dB_{\mu V/m}]} - \text{Limit }_{[dB_{\mu V/m}]}$

### Radiated Band Edge Measurement Offset

- The amplitude offset shown in the radiated restricted band edge plots in Section 7.7.4, 7.7.5, and 7.7.6 were calculated using the formula:  
 $\text{Offset (dB)} = (\text{Antenna Factor} + \text{Cable Loss} + \text{Attenuator}) - \text{Preamplifier Gain}$

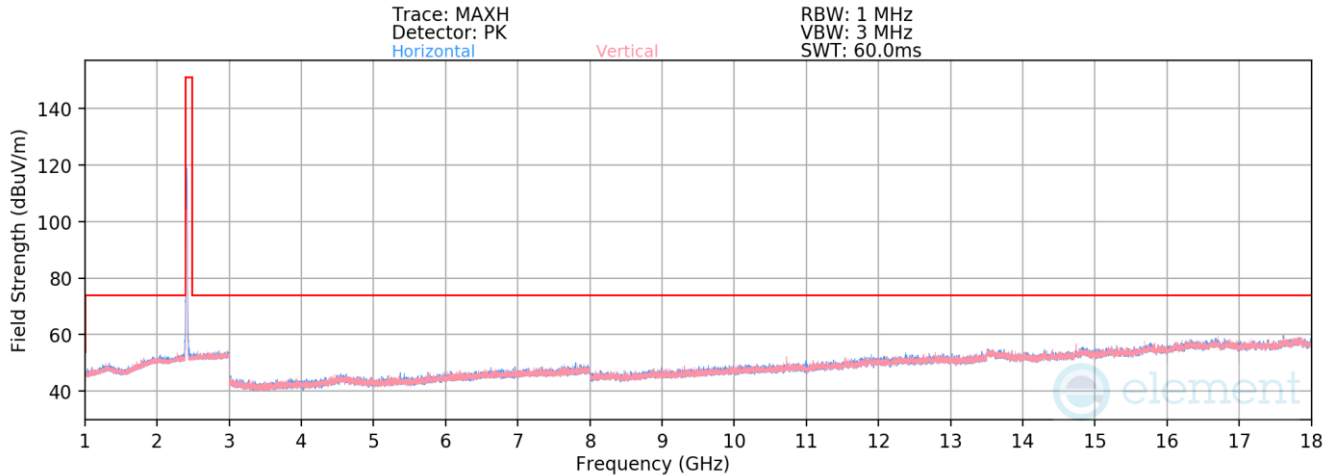
<b>FCC ID:</b> BCGA2898 <b>IC:</b> 579C-A2898	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270065-03.BCG	<b>Test Dates:</b> 12/1/2023 - 2/20/2024	<b>EUT Type:</b> Tablet Device  Page 268 of 426

V 10.6 09/14/2023

### 7.7.1 Radiated Spurious Emission Measurements

§15.247(d) §15.205 & §15.209; RSS-Gen [8.9]

#### Antenna WF7b



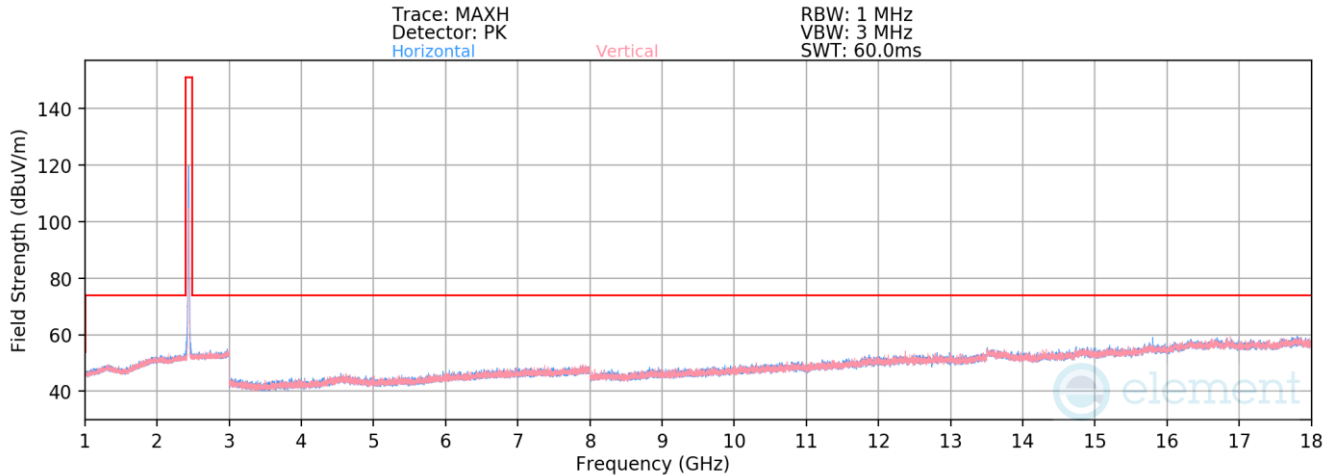
**Plot 7-437. Radiated Spurious Emissions above 1GHz Antenna WF7b (802.11b – Ch. 1)**

Mode: 802.11b  
 Data Rate: 11Mbps  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2412MHz  
 Channel: 01

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4824.00	Avg	-	-	-	-77.29	2.38	32.09	53.98	-21.89
4824.00	Peak	-	-	-	-65.98	2.38	43.40	73.98	-30.58
12060.00	Avg	-	-	-	-79.33	8.89	36.56	53.98	-17.42
12060.00	Peak	-	-	-	-68.15	8.89	47.74	73.98	-26.24

**Table 7-48. Radiated Measurements Antenna WF7b**

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 269 of 426



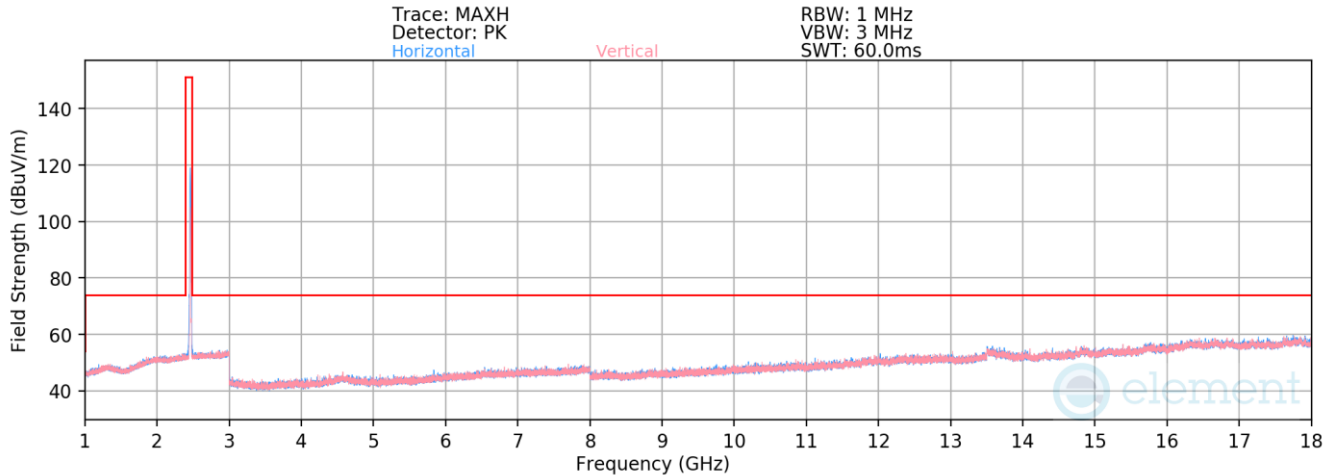
**Plot 7-438. Radiated Spurious Emissions above 1GHz Antenna WF7b (802.11b – Ch. 6)**

Mode: 802.11b  
Data Rate: 11Mbps  
Distance of Measurements: 3 Meters  
Operating Frequency: 2437MHz  
Channel: 06

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4874.00	Avg	-	-	-	-76.80	1.94	32.14	53.98	-21.84
4874.00	Peak	-	-	-	-65.85	1.94	43.09	73.98	-30.89
7311.00	Avg	-	-	-	-77.75	4.06	33.31	53.98	-20.67
7311.00	Peak	-	-	-	-66.23	4.06	44.83	73.98	-29.15
12185.00	Avg	-	-	-	-79.42	9.45	37.03	53.98	-16.95
12185.00	Peak	-	-	-	-67.54	9.45	48.91	73.98	-25.07

**Table 7-49. Radiated Measurements Antenna WF7b**

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 270 of 426



**Plot 7-439. Radiated Spurious Emissions above 1GHz Antenna WF7b (802.11b – Ch. 11)**

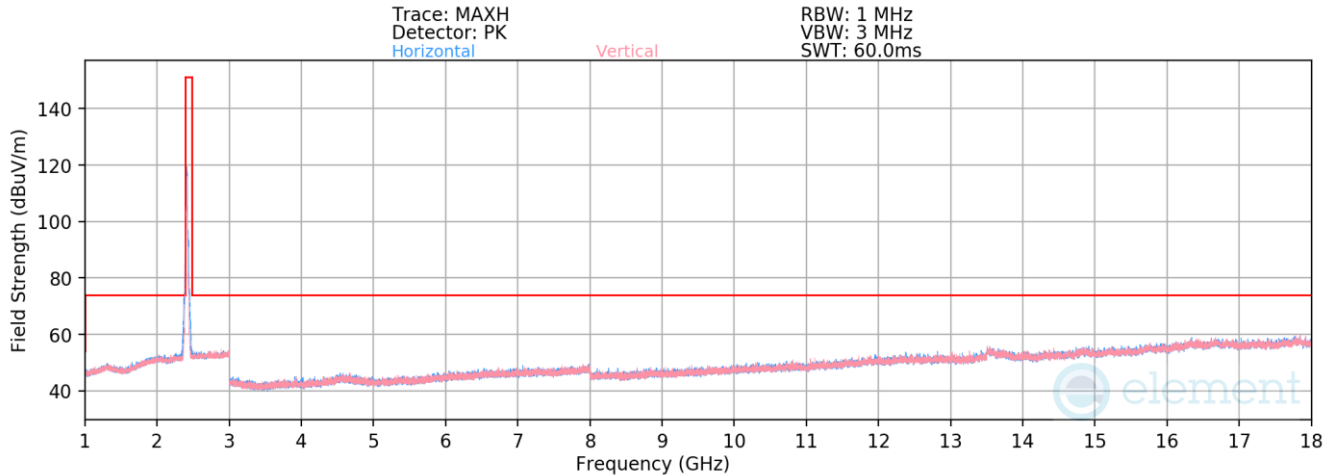
Mode: 802.11b  
 Data Rate: 11Mbps  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2462MHz  
 Channel: 11

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4924.00	Avg	-	-	-	-77.17	1.94	31.77	53.98	-22.21
4924.00	Peak	-	-	-	-65.65	1.94	43.29	73.98	-30.69
7386.00	Avg	-	-	-	-77.87	4.27	33.40	53.98	-20.58
7386.00	Peak	-	-	-	-66.10	4.27	45.17	73.98	-28.81
12310.00	Avg	-	-	-	-79.32	9.59	37.27	53.98	-16.71
12310.00	Peak	-	-	-	-68.30	9.59	48.29	73.98	-25.69

**Table 7-50. Radiated Measurements Antenna WF7b**

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 271 of 426





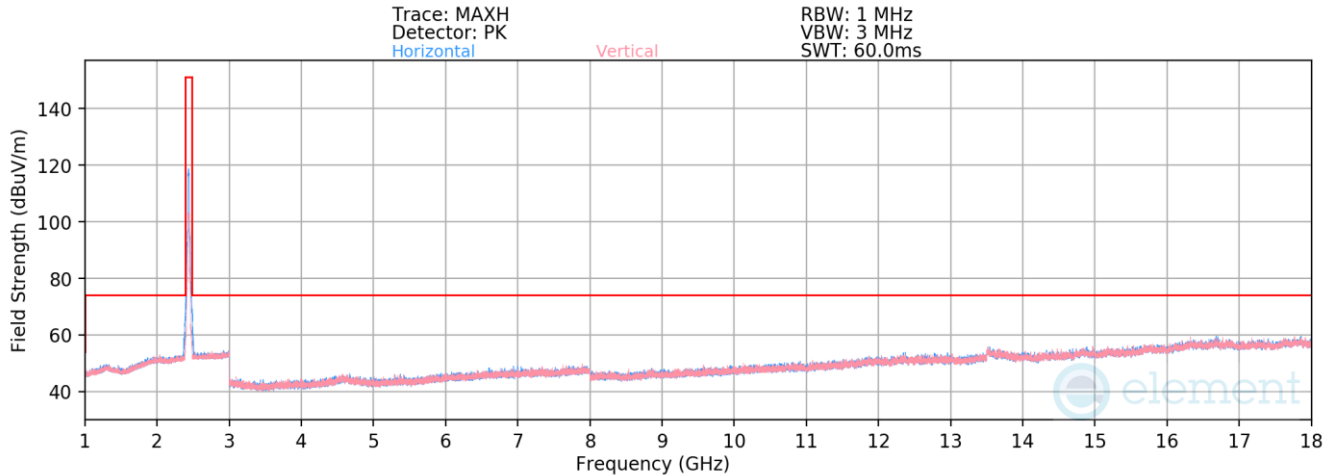
**Plot 7-440. Radiated Spurious Emissions above 1GHz Antenna WF7b (802.11ax(SU) – Ch. 1)**

Mode: 802.11ax(SU)  
 Data Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2412MHz  
 Channel: 01

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4824.00	Avg	-	-	-	-76.99	2.38	32.39	53.98	-21.59
4824.00	Peak	-	-	-	-66.00	2.38	43.38	73.98	-30.60
12060.00	Avg	-	-	-	-79.30	8.89	36.59	53.98	-17.39
12060.00	Peak	-	-	-	-67.12	8.89	48.77	73.98	-25.21

**Table 7-51. Radiated Measurements Antenna WF7b**

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 272 of 426



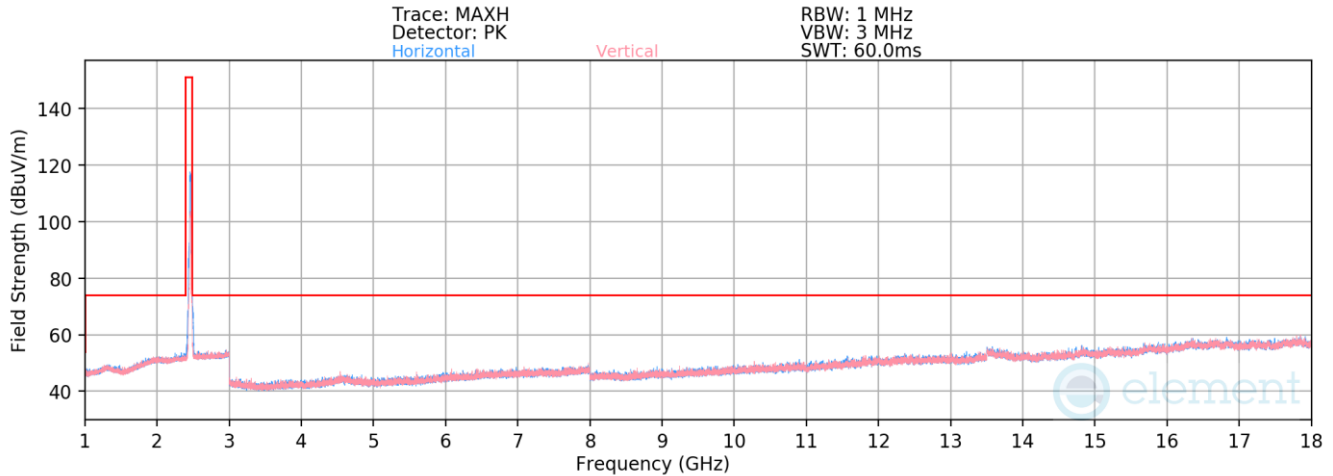
**Plot 7-441. Radiated Spurious Emissions above 1GHz Antenna WF7b (802.11ax(SU) – Ch. 6)**

Mode: 802.11ax(SU)  
 Data Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2437MHz  
 Channel: 06

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4874.00	Avg	-	-	-	-76.96	1.94	31.98	53.98	-22.00
4874.00	Peak	-	-	-	-65.71	1.94	43.23	73.98	-30.75
7311.00	Avg	-	-	-	-77.84	4.06	33.22	53.98	-20.76
7311.00	Peak	-	-	-	-66.62	4.06	44.44	73.98	-29.54
12185.00	Avg	-	-	-	-79.28	9.45	37.17	53.98	-16.81
12185.00	Peak	-	-	-	-68.25	9.45	48.20	73.98	-25.78

**Table 7-52. Radiated Measurements Antenna WF7b**

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 273 of 426



**Plot 7-442. Radiated Spurious Emissions above 1GHz Antenna WF7b (802.11ax(SU) – Ch. 11)**

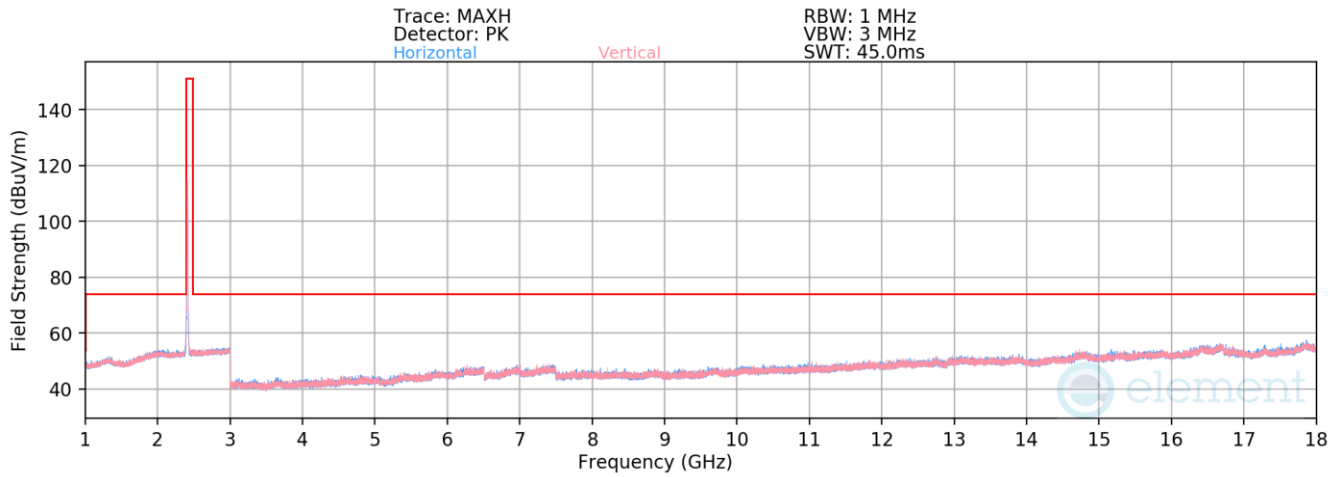
Mode: 802.11ax(SU)  
 Data Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2462MHz  
 Channel: 11

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4924.00	Avg	-	-	-	-77.21	1.94	31.73	53.98	-22.25
4924.00	Peak	-	-	-	-66.21	1.94	42.73	73.98	-31.25
7386.00	Avg	-	-	-	-78.01	4.27	33.26	53.98	-20.72
7386.00	Peak	-	-	-	-66.47	4.27	44.80	73.98	-29.18
12310.00	Avg	-	-	-	-79.45	9.59	37.14	53.98	-16.84
12310.00	Peak	-	-	-	-68.45	9.59	48.14	73.98	-25.84

**Table 7-53. Radiated Measurements Antenna WF7b**

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 274 of 426

**Antenna WF2b**



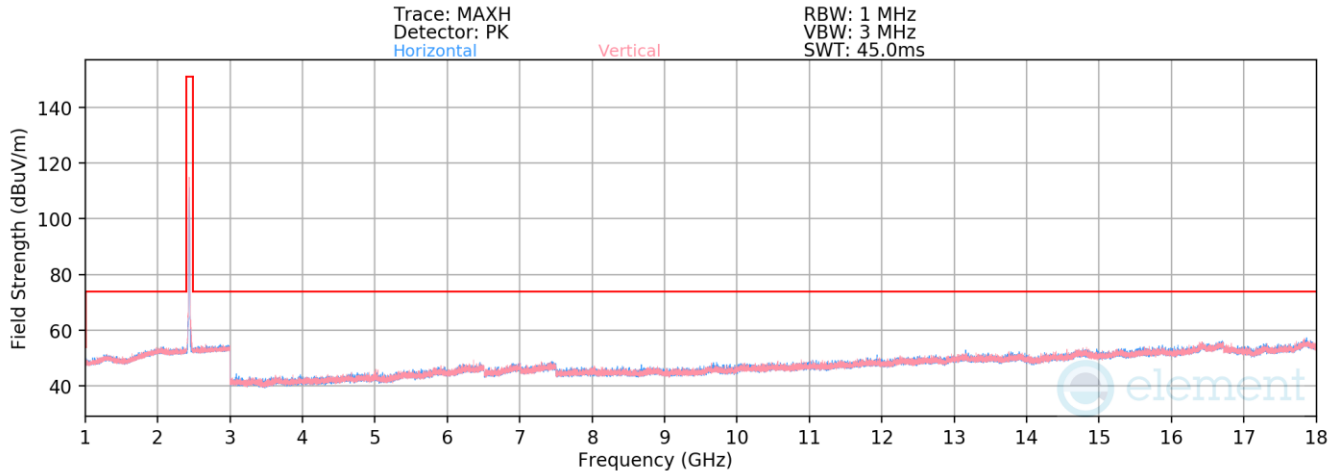
**Plot 7-443. Radiated Spurious Emissions above 1GHz Antenna WF2b (802.11b – Ch. 1)**

Mode: 802.11b  
 Data Rate: 11Mbps  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2412MHz  
 Channel: 01

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4824.00	Avg	-	-	-	-77.28	4.38	34.10	53.98	-19.88
4824.00	Peak	-	-	-	-65.75	4.38	45.63	73.98	-28.35
12060.00	Avg	-	-	-	-81.39	12.92	38.53	53.98	-15.45
12060.00	Peak	-	-	-	-70.33	12.92	49.59	73.98	-24.39

**Table 7-54. Radiated Measurements Antenna WF2b**

FCC ID: BCGA2898 IC: 579C-A2898		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device		Page 275 of 426



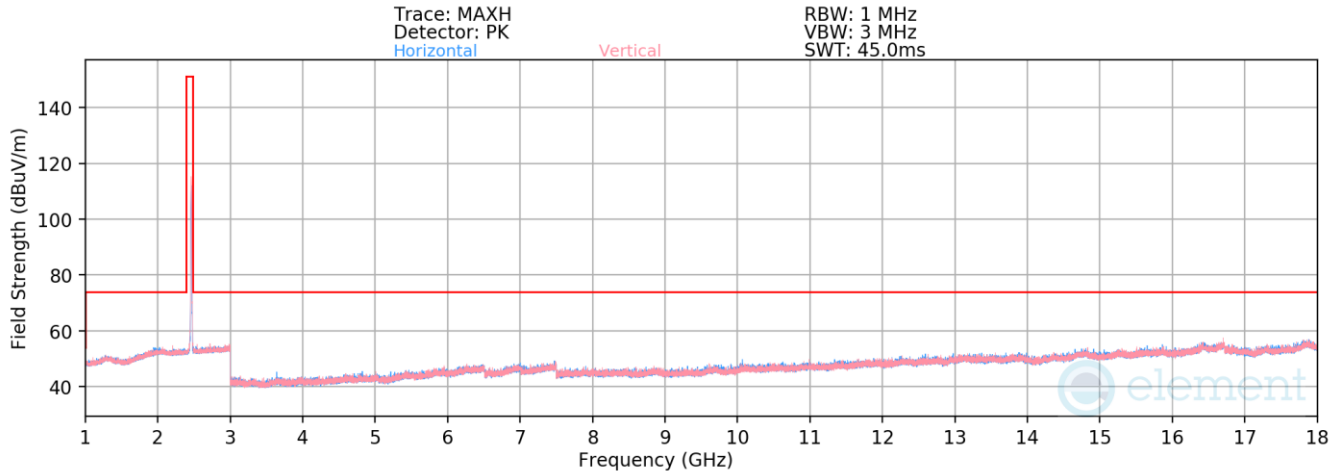
**Plot 7-444. Radiated Spurious Emissions above 1GHz Antenna WF2b (802.11b – Ch. 6)**

Mode: 802.11b  
 Data Rate: 11Mbps  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2437MHz  
 Channel: 06

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4874.00	Avg	-	-	-	-77.53	4.48	33.95	53.98	-20.03
4874.00	Peak	-	-	-	-66.43	4.48	45.05	73.98	-28.93
7311.00	Avg	-	-	-	-78.39	8.92	37.53	53.98	-16.45
7311.00	Peak	-	-	-	-67.36	8.92	48.56	73.98	-25.42
12185.00	Avg	-	-	-	-81.63	13.80	39.17	53.98	-14.81
12185.00	Peak	-	-	-	-70.85	13.80	49.95	73.98	-24.03

**Table 7-55. Radiated Measurements Antenna WF2b**

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 276 of 426



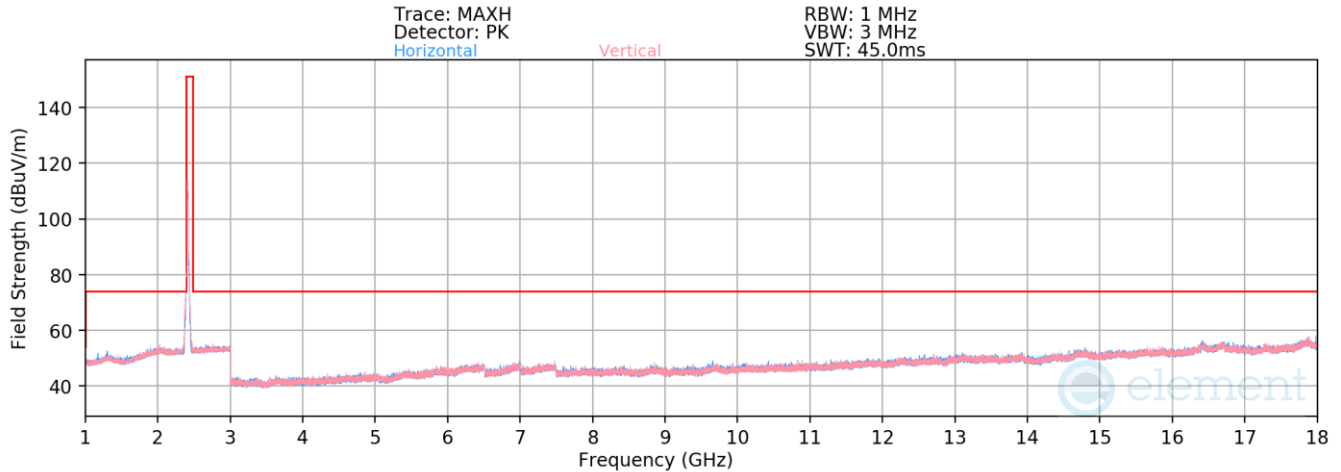
**Plot 7-445. Radiated Spurious Emissions above 1GHz Antenna WF2b (802.11b – Ch. 11)**

Mode: 802.11b  
 Data Rate: 11Mbps  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2462MHz  
 Channel: 11

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4924.00	Avg	-	-	-	-78.25	4.48	33.23	53.98	-20.75
4924.00	Peak	-	-	-	-66.67	4.48	44.81	73.98	-29.17
7386.00	Avg	-	-	-	-79.11	9.11	37.00	53.98	-16.98
7386.00	Peak	-	-	-	-67.57	9.11	48.54	73.98	-25.44
12310.00	Avg	-	-	-	-81.58	13.85	39.27	53.98	-14.71
12310.00	Peak	-	-	-	-70.69	13.85	50.16	73.98	-23.82

**Table 7-56. Radiated Measurements Antenna WF2b**

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 277 of 426



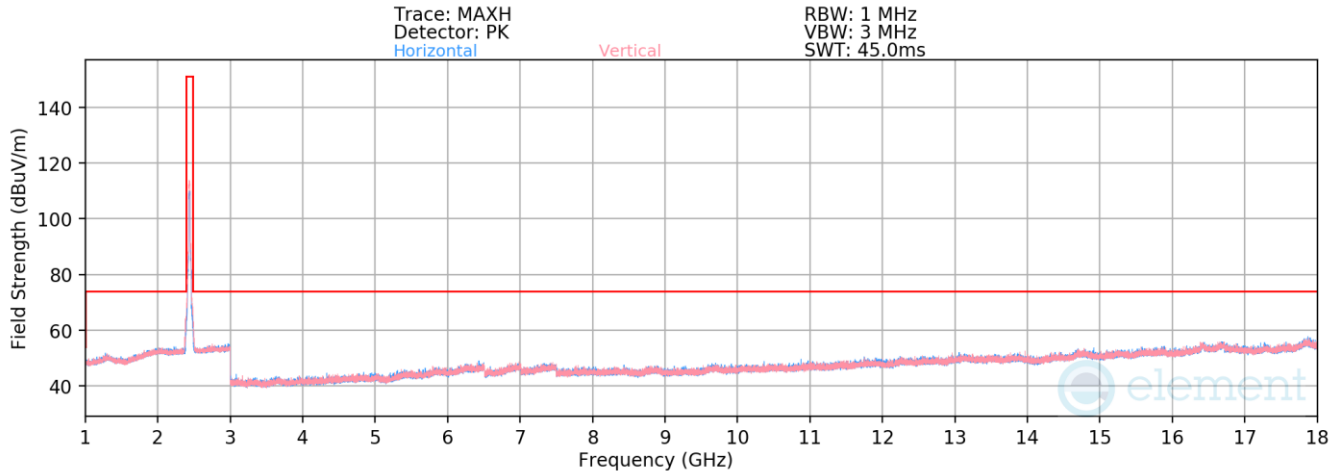
**Plot 7-446. Radiated Spurious Emissions above 1GHz Antenna WF2b (802.11ax(SU) – Ch. 1)**

Mode: 802.11ax(SU)  
 Data Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2412MHz  
 Channel: 01

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4824.00	Avg	-	-	-	-78.10	4.38	33.28	53.98	-20.70
4824.00	Peak	-	-	-	-66.49	4.38	44.89	73.98	-29.09
12060.00	Avg	-	-	-	-81.14	12.92	38.78	53.98	-15.20
12060.00	Peak	-	-	-	-68.95	12.92	50.97	73.98	-23.01

**Table 7-57. Radiated Measurements Antenna WF2b**

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 278 of 426



**Plot 7-447. Radiated Spurious Emissions above 1GHz Antenna WF2b (802.11ax(SU) – Ch. 6)**

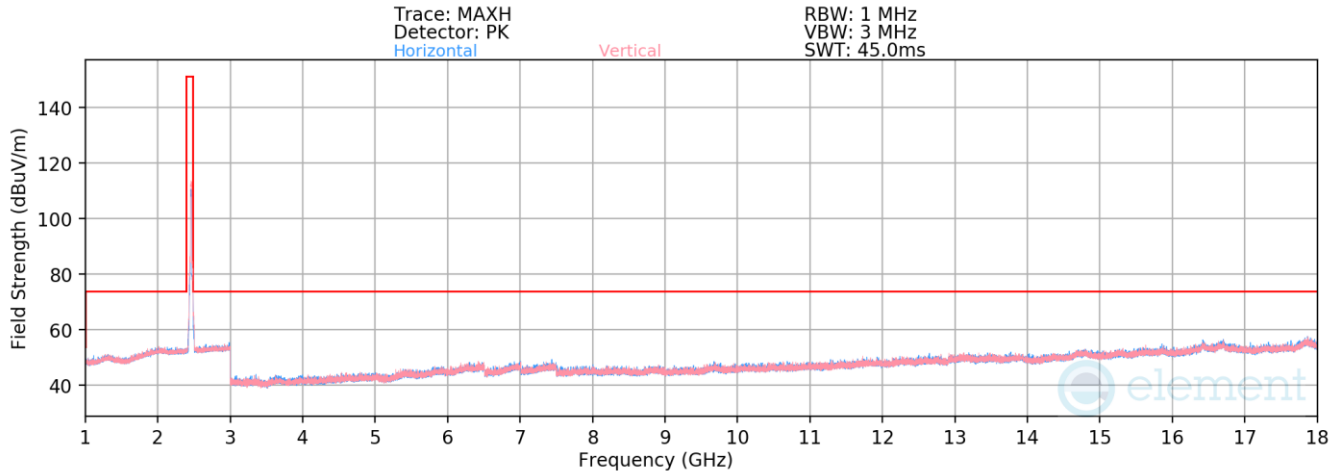
Mode: 802.11ax(SU)  
 Data Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2437MHz  
 Channel: 06

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4874.00	Avg	-	-	-	-75.45	1.94	33.49	53.98	-20.49
4874.00	Peak	-	-	-	-64.31	1.94	44.63	73.98	-29.35
7311.00	Avg	-	-	-	-74.04	4.06	37.02	53.98	-16.96
7311.00	Peak	-	-	-	-62.88	4.06	48.18	73.98	-25.80
12185.00	Avg	-	-	-	-77.35	9.45	39.10	53.98	-14.88
12185.00	Peak	-	-	-	-66.44	9.45	50.01	73.98	-23.97

**Table 7-58. Radiated Measurements Antenna WF2b**

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 279 of 426





**Plot 7-448. Radiated Spurious Emissions above 1GHz Antenna WF2b (802.11ax(SU) – Ch. 11)**

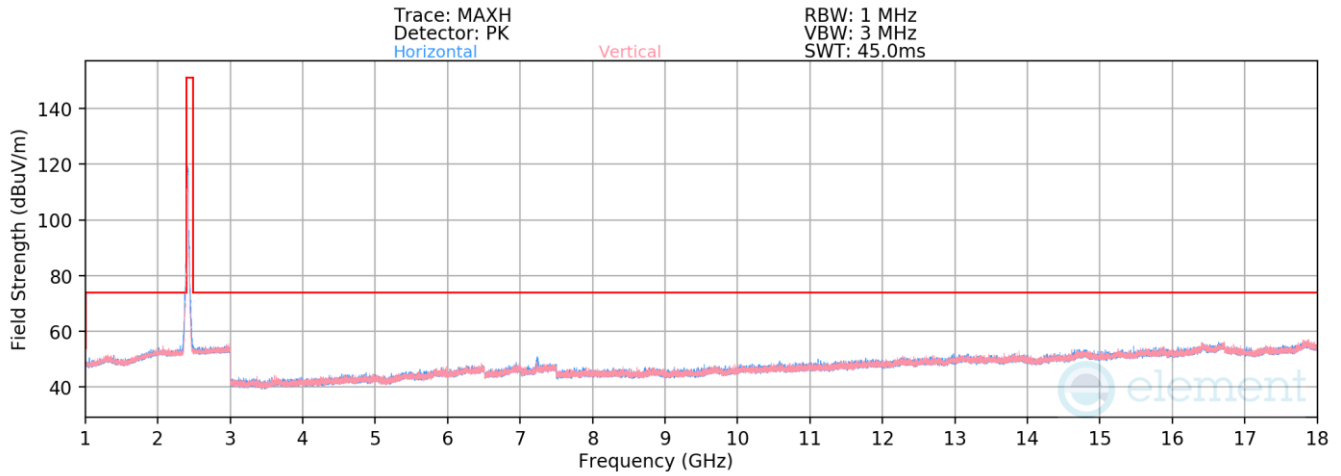
Mode: 802.11ax(SU)  
 Data Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2462MHz  
 Channel: 11

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4924.00	Avg	-	-	-	-74.94	1.94	34.00	53.98	-19.98
4924.00	Peak	-	-	-	-63.80	1.94	45.14	73.98	-28.84
7386.00	Avg	-	-	-	-74.02	4.27	37.25	53.98	-16.73
7386.00	Peak	-	-	-	-62.87	4.27	48.40	73.98	-25.58
12310.00	Avg	-	-	-	-77.04	9.59	39.55	53.98	-14.43
12310.00	Peak	-	-	-	-66.27	9.59	50.32	73.98	-23.66

**Table 7-59. Radiated Measurements Antenna WF2b**

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 280 of 426

**CDD**



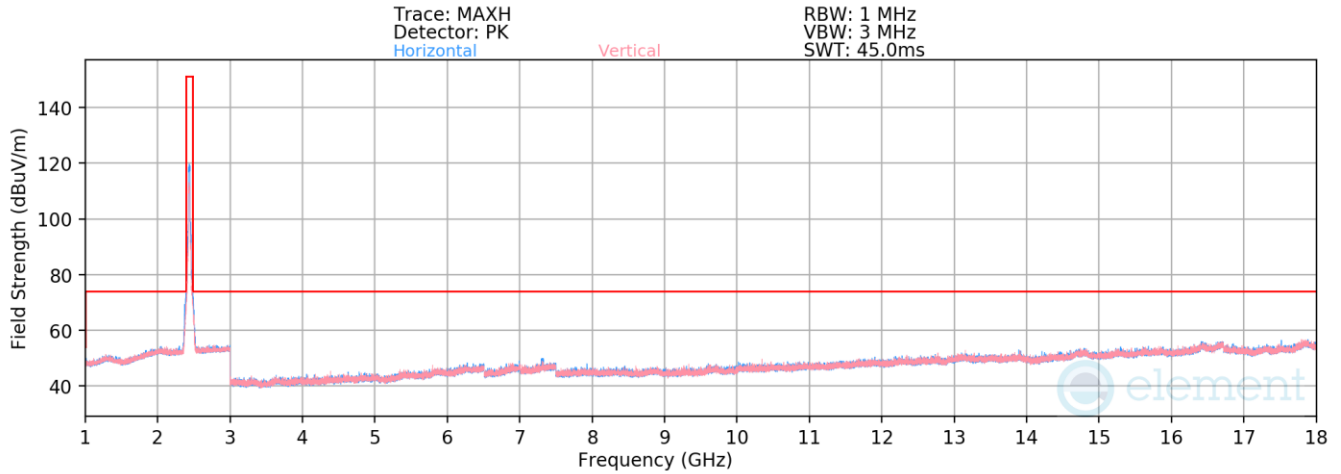
**Plot 7-449. Radiated Spurious Emissions above 1GHz CDD (802.11n- Ch. 1)**

Mode: 802.11n  
 Data Rate: MCS8  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2412MHz  
 Channel: 01

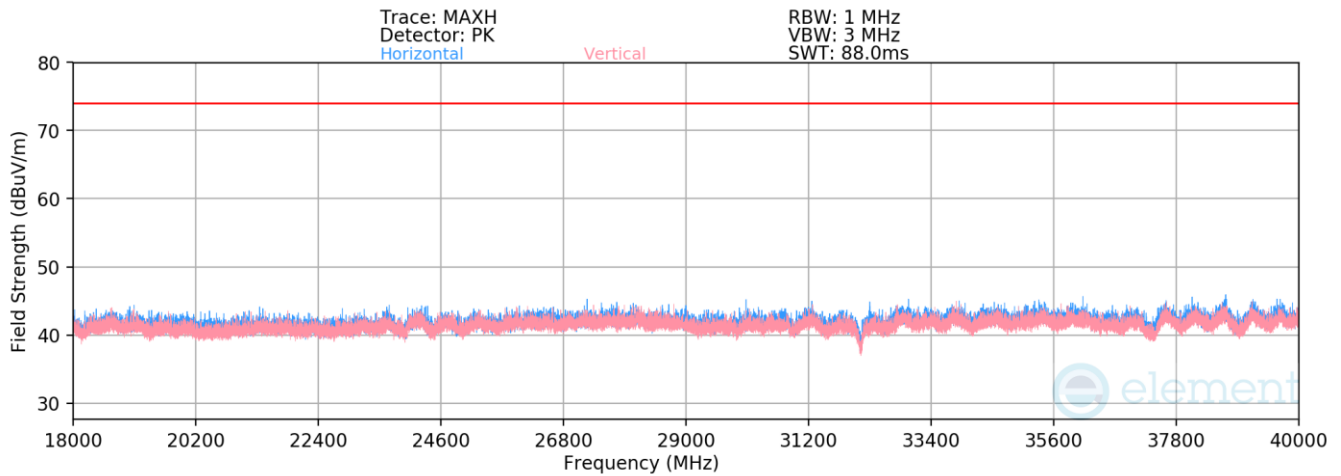
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4824.00	Avg	-	-	-	-78.32	4.38	33.06	53.98	-20.92
4824.00	Peak	-	-	-	-66.84	4.38	44.54	73.98	-29.44
12060.00	Avg	-	-	-	-81.37	12.92	38.55	53.98	-15.43
12060.00	Peak	-	-	-	-69.59	12.92	50.33	73.98	-23.65

**Table 7-60. Radiated Measurements CDD**

FCC ID: BCGA2898 IC: 579C-A2898		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 281 of 426



**Plot 7-450. Radiated Spurious Emissions above 1GHz CDD (802.11n – Ch. 6)**



**Plot 7-451. Radiated Spurious Emissions above 18GHz CDD (802.11n – Ch.6)**

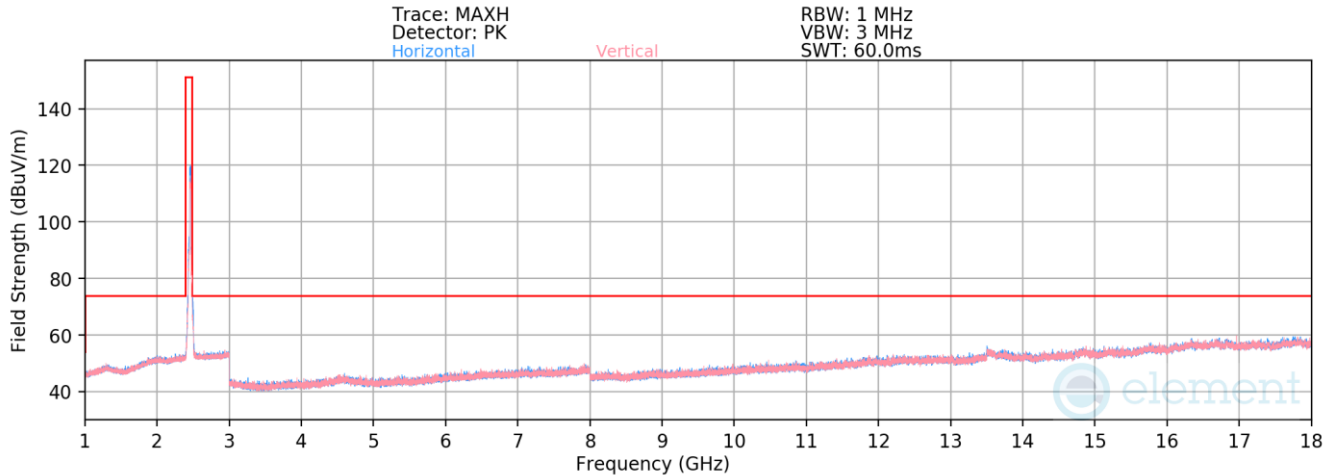
<b>FCC ID:</b> BCGA2898 <b>IC:</b> 579C-A2898	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270065-03.BCG		<b>Test Dates:</b> 12/1/2023 - 2/20/2024

Mode: 802.11n  
 Data Rate: MCS8  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2437MHz  
 Channel: 06

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4874.00	Avg	-	-	-	-78.28	4.48	33.20	53.98	-20.78
4874.00	Peak	-	-	-	-67.04	4.48	44.44	73.98	-29.54
7311.00	Avg	-	-	-	-76.21	8.92	39.71	53.98	-14.27
7311.00	Peak	-	-	-	-65.29	8.92	50.63	73.98	-23.35
12185.00	Avg	-	-	-	-81.87	13.80	38.93	53.98	-15.05
12185.00	Peak	-	-	-	-70.59	13.80	50.21	73.98	-23.77

**Table 7-61. Radiated Measurements CDD**

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 283 of 426



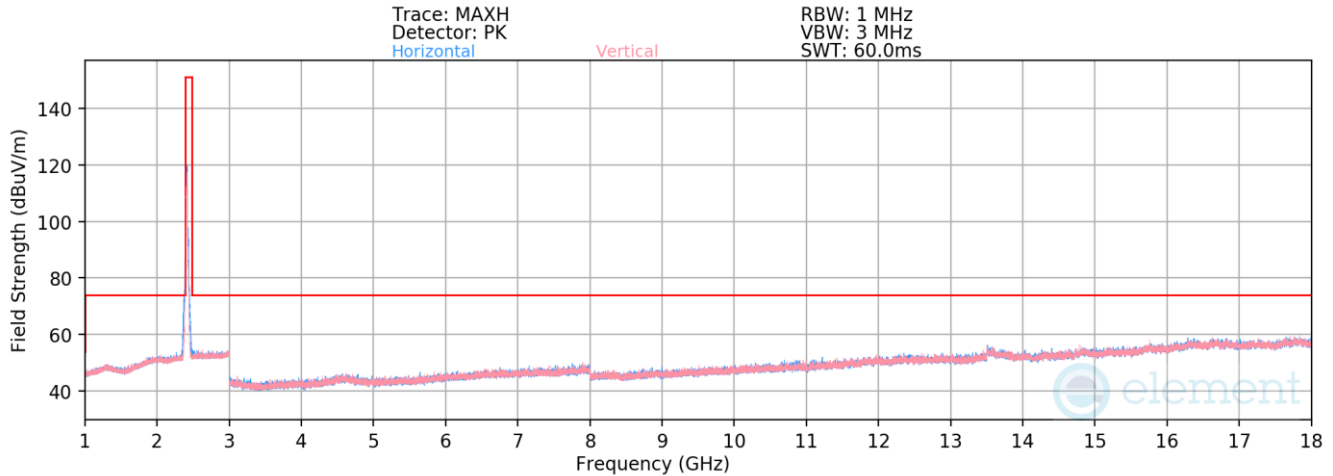
**Plot 7-452. Radiated Spurious Emissions above 1GHz CDD (802.11n – Ch. 11)**

Mode: 802.11n  
 Data Rate: MCS8  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2462MHz  
 Channel: 11

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4924.00	Avg	-	-	-	-78.25	4.48	33.23	53.98	-20.75
4924.00	Peak	-	-	-	-66.77	4.48	44.71	73.98	-29.27
7386.00	Avg	-	-	-	-76.93	9.11	39.18	53.98	-14.80
7386.00	Peak	-	-	-	-65.33	9.11	50.78	73.98	-23.20
12310.00	Avg	-	-	-	-81.39	13.85	39.46	53.98	-14.52
12310.00	Peak	-	-	-	-71.17	13.85	49.68	73.98	-24.30

**Table 7-62. Radiated Measurements CDD**

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 284 of 426



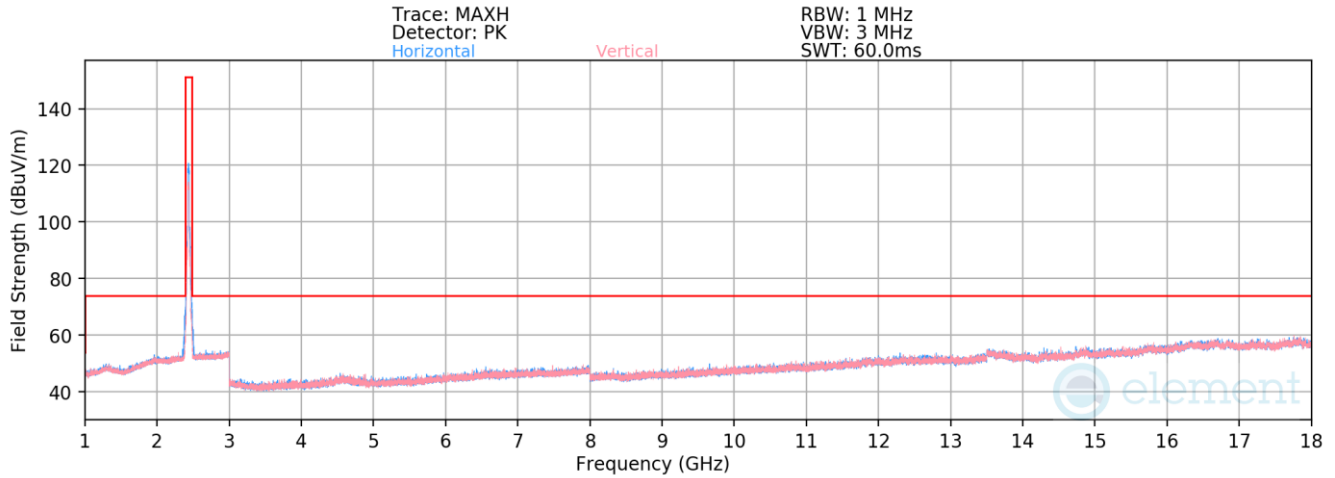
**Plot 7-453. Radiated Spurious Emissions above 1GHz CDD (802.11ax (SU) – Ch. 1)**

Mode: 802.11ax (SU)  
 Data Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2412MHz  
 Channel: 01

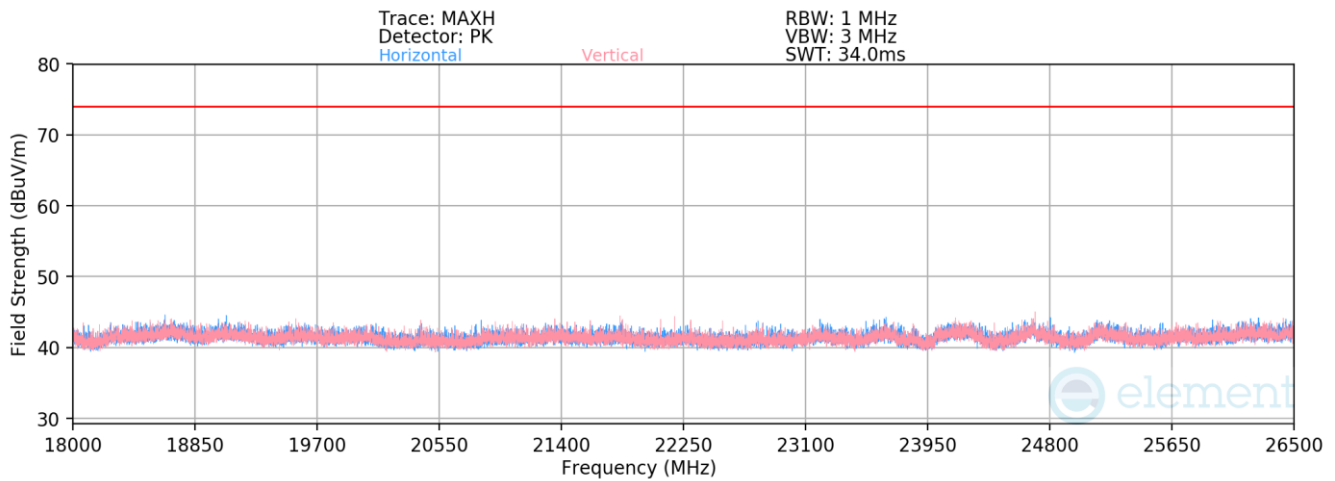
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4824.00	Avg	-	-	-	-75.69	2.38	33.69	53.98	-20.29
4824.00	Peak	-	-	-	-64.69	2.38	44.69	73.98	-29.29
12060.00	Avg	-	-	-	-77.27	8.89	38.62	53.98	-15.36
12060.00	Peak	-	-	-	-64.96	8.89	50.93	73.98	-23.05

**Table 7-63. Radiated Measurements CDD**

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 285 of 426



**Plot 7-454. Radiated Spurious Emissions above 1GHz CDD (802.11ax (SU) – Ch. 6)**



**Plot 7-455. Radiated Spurious Emissions above 18GHz CDD (802.11ax (SU) – Ch.6)**

FCC ID: BCGA2898 IC: 579C-A2898	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270065-03.BCG	<b>Test Dates:</b> 12/1/2023 - 2/20/2024	<b>EUT Type:</b> Tablet Device	Page 286 of 426

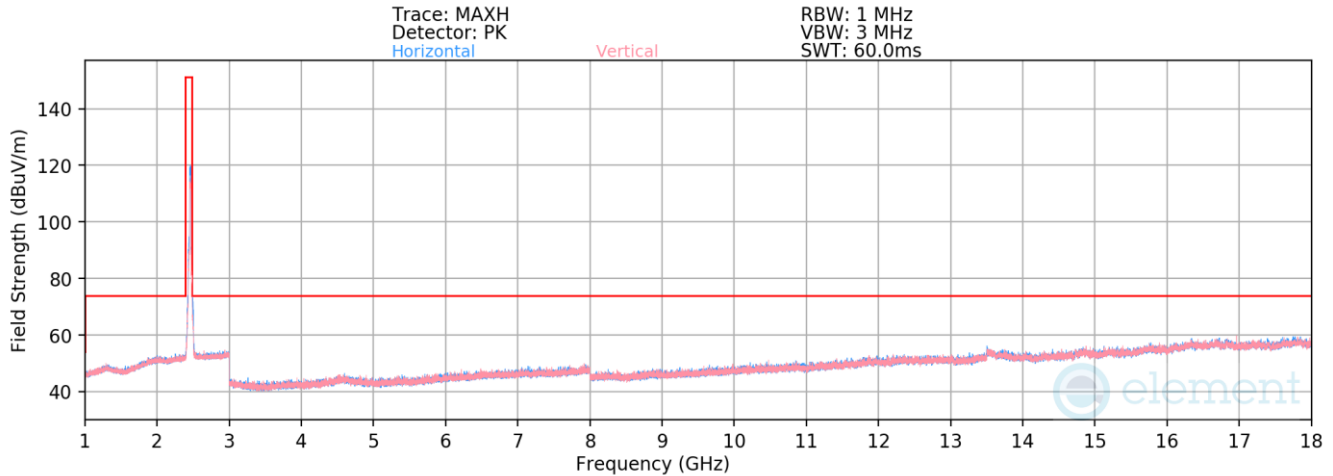
Mode: 802.11ax (SU)  
 Data Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2437MHz  
 Channel: 06

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4874.00	Avg	-	-	-	-74.52	1.94	34.42	53.98	-19.56
4874.00	Peak	-	-	-	-63.42	1.94	45.52	73.98	-28.46
7311.00	Avg	-	-	-	-69.79	4.06	41.27	53.98	-12.71
7311.00	Peak	-	-	-	-59.21	4.06	51.85	73.98	-22.13
12185.00	Avg	-	-	-	-77.09	9.45	39.36	53.98	-14.62
12185.00	Peak	-	-	-	-66.35	9.45	50.10	73.98	-23.88

**Table 7-64. Radiated Measurements CDD**

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 287 of 426





**Plot 7-456. Radiated Spurious Emissions above 1GHz CDD (802.11ax (SU) – Ch. 11)**

Mode: 802.11ax (SU)  
 Data Rate: MCS0  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2462MHz  
 Channel: 11

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4924.00	Avg	-	-	-	-75.70	1.94	33.24	53.98	-20.74
4924.00	Peak	-	-	-	-64.10	1.94	44.84	73.98	-29.14
7386.00	Avg	-	-	-	-72.39	4.27	38.88	53.98	-15.10
7386.00	Peak	-	-	-	-61.16	4.27	50.11	73.98	-23.87
12310.00	Avg	-	-	-	-77.24	9.59	39.35	53.98	-14.63
12310.00	Peak	-	-	-	-66.11	9.59	50.48	73.98	-23.50

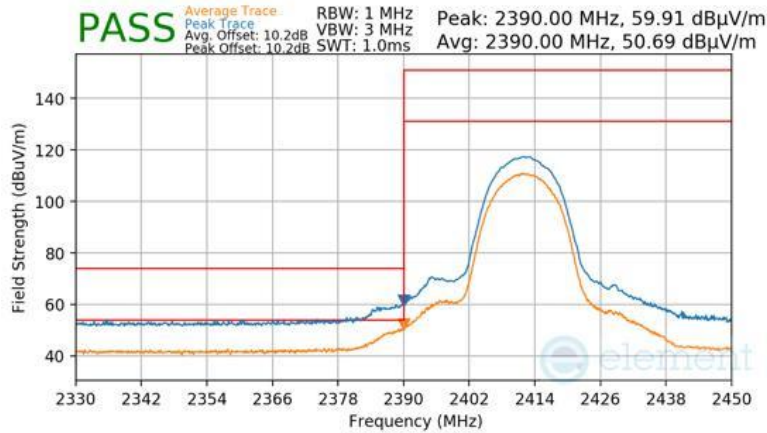
**Table 7-65. Radiated Measurements CDD**

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 288 of 426

## 7.7.2 Antenna WF7b Radiated Restricted Band Edge Measurements

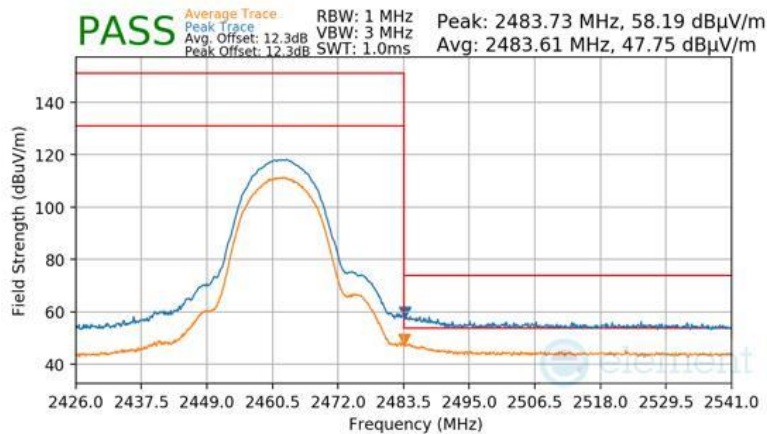
§15.205 §15.209; RSS-Gen [8.9]

Mode	802.11b
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	2412MHz
Channel	1



**Plot 7-457 Radiated Restricted Lower Band Edge Measurement Antenna WF7b**

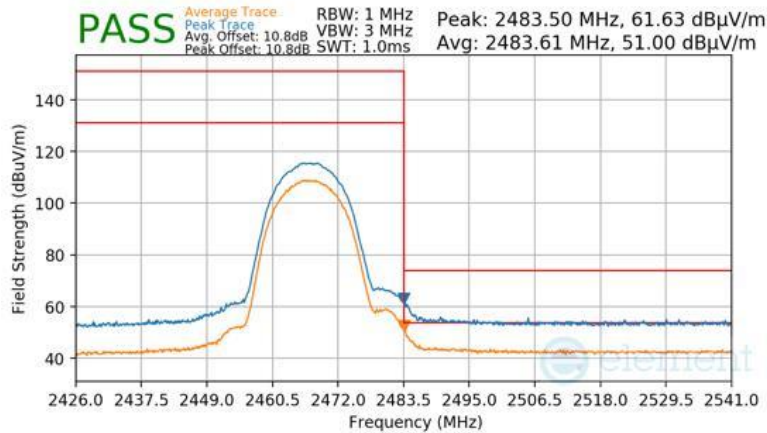
Mode	802.11b
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	2462MHz
Channel	11



**Plot 7-458 Radiated Restricted Upper Band Edge Measurement Antenna WF7b**

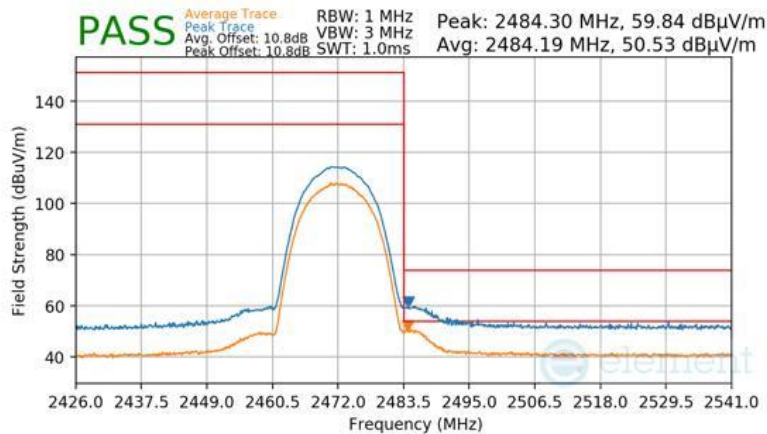
FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 289 of 426

Mode	802.11b
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	2467MHz
Channel	12



**Plot 7-459 Radiated Restricted Upper Band Edge Measurement Antenna WF7b**

Mode	802.11b
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	2472MHz
Channel	13



**Plot 7-460 Radiated Restricted Upper Band Edge Measurement Antenna WF7b**

FCC ID: BCGA2898 IC: 579C-A2898		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270065-03.BCG	Test Dates: 12/1/2023 - 2/20/2024	EUT Type: Tablet Device	Page 290 of 426